CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Hotel, Coral Gables, Fla., Coral Gables Rest Resort Corp. having plans prepared, $10,000,000.

Road work, Houston, Tex., Harris Co. voted $6,000,000 bonds for road work.

Hospital, Northport, N. Y., U. S. Veterans Bureau plans buildings, $3,000,000.

Plant, Chattanooga, Tenn., U. S. Cast Iron Pipe & Fdry. Co. having preliminary plans made, $3,000,000.

Theatre, Bellingham, Wash., Bellingham Development Co. plans theatre, $2,000,000.

Depot, Texarkana, Tex., Missouri Pacific R. R. Co. having plans prepared, $2,000,000.

Hospital, Brooklyn, N. Y., St. Johns Hospital having plans prepared, $1,500,000.

Hospital, Boston, Mass., U. S. Veterans Bureau plans building, $1,500,000.

Bids Wanted

Bridge, Maine, April 21, by State Hy. Dept., over Kennebec River, $3,000,000.

Hotel, Boston, Mass., J. R. Whipple Corp. taking bids, $3,000,000.

Apartment, Chicago, Ill., Childs & Smith, Archts. soon takes bids, $2,000,000.

Hotel, Birmingham, Ala., May 1, Jefferson Hotel Co., $1,500,000.

Apartment, Chicago, Ill., Omen & Lilienthal, about May 1, $1,300,000.

Theatre, store, and apartment, April 22, Z. E. Smith, Archt., $1,250,000.

Courthouse, San Antonio, Tex., April 16, by Phelps & De Wees, Engrs. & Archts., $1,000,000.

Office, Mt. Vernon, N. Y., April 8, by Westchester Lighting Co., $1,000,000.

Office and store, Chicago, Ill., H. L. Newhouse, Archt., April or May, $1,000,000.

Contracts

Office, San Francisco, Calif., E. H. Rollins & Sons to Dinwiddie Constr. Co., $6,500,000.

Office, Chicago, Ill., Holabird & Roche, Archt. to Dahl-Stedman Co., $3,000,000.

Power House, Bellows Falls, Vt., New England Power Co. to Power Constr. & Eng. Corp., $3,000,000.

Dam, Louisville, Ky., U. S. Engineer Office, to U. G. I. Contg. Co., $2,149,990.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Apr. 3	Arlington, N. J.	Mar. 25
Apr. 5	Claysville, Pa.	Mar. 18
Apr. 5	Athens, N. Y.	Mar. 18
Apr. 5	Norwalk, Conn.	Mar. 25
Apr. 5	Biloxi, Miss.	Mar. 25
Apr. 5	Akron, O.	Apr. 1
Apr. 5	Boston, Mass.	Apr. 1
Apr. 6	St. Louis, Mo.	Mar. 25
Apr. 6	Detroit, Mich.	Apr. 1
Apr. 6	Monroe, N. C.	Mar. 25
Apr. 6	Belle River, Ont.	Mar. 25
Apr. 6	Staunton, Ill.	Mar. 25
Apr. 6	Vancouver, B. C.	Apr. 1
Apr. 6	Boston, Mass.	Apr. 1
Apr. 6	Pickens, Miss.	Apr. 1
Apr. 6	New Port Richey, Fla.	Apr. 1
Apr. 6	New York, N. Y.	Apr. 1
Apr. 6	Brooklyn, N. Y.	Apr. 1
Apr. 8	Port Arthur, Tex.	Apr. 1
Apr. 8	Milwaukee, Wis.	Apr. 1
Apr. 9	Trenton, N. J.	Apr. 1
Apr. 9	El Segundo, Calif.	Apr. 1
Apr. 9	Centuria, Wis.	Apr. 1
Apr. 12	Los Angeles, Calif.	Apr. 1
Apr. 12	New Britain, Conn.	Mar. 18
Apr. 12	Marshall, Mo.	Apr. 1
Apr. 14	Okmulgee, Okla. Adv. Apr. 1.	Apr. 1
Apr. 15	Salisbury, Md. Adv. Mar. 25 and Apr. 1.	Mar. 25
Apr. 15	Kenosha, Wis.	Apr. 1
Apr. 16	Mackinaw, Mich.	Mar. 25
Apr. 19	Ebensburg, Pa.	Apr. 1
Apr. 19	St. Lambert, Que.	Apr. 1
Apr. 28	Bath, N. Y. Adv. Apr. 1.	Apr. 1
Apr. 30	New Market, Va.	Mar. 25

Sewers

Apr. 3	Ashtabula, O.	Mar. 18
Apr. 5	Coatesville, Pa.	Mar. 11
Apr. 6	St. George, N. Y.	Mar. 25
Apr. 6	Los Angeles, Calif.	Apr. 1
Apr. 6	Newark, N. J.	Apr. 1
Apr. 7	Los Angeles, Calif.	Apr. 1
Apr. 7	Rye, N. Y.	Mar. 11
Apr. 7	San Francisco, Calif.	Mar. 25
Apr. 7	Cleveland, O.	Apr. 1
Apr. 7	Upper Arlington (Columbus P. O.), O.	Apr. 1
Apr. 7	Long Island City, N. Y.	Apr. 1
Apr. 8	Bromley, Ky.	Mar. 18
Apr. 8	Boston, Mass.	Apr. 1
Apr. 8	New York, N. Y.	Apr. 1
Apr. 9	Boston, Mass.	Apr. 1
Apr. 12	Buffalo, N. Y.	Mar. 18
Apr. 12	Greenburgh, N. Y. Adv. Mar. 25 and Apr. 1.	Apr. 1
Apr. 12	Schaller, Ia.	Apr. 1
Apr. 19	Hasbrouck Heights (Ind. br. Hackensack), N. J. Adv. Apr. 1.	Apr. 1
Apr. 20	Lakeland, Fla. Adv. Mar. 25 and Apr. 1.	Apr. 1
Apr. 20	Muskegon, Mich.	Apr. 1
Apr. 21	Antigo, Wis.	Mar. 25
Apr. 21	Grand Rapids, Mich. Adv. Apr. 1.	Apr. 1
Apr. 29	North Chattanooga (br. Chattanooga), Tenn. Adv. Apr. 1.	Apr. 1

Waste Disposal

Apr. 7	Los Angeles, Calif.	Mar. 25

Bridges

Apr. 3	Toronto, Ont.	Mar. 25
Apr. 5	New Jersey	Mar. 18
Apr. 5	Indianapolis, Ind.	Mar. 25
Apr. 6	Gulfport, Miss.	Mar. 18
Apr. 6	Jones, La.	Mar. 4
Apr. 6	St. Louis, Mo.	Mar. 11
Apr. 6	Iowa	Apr. 1
Apr. 7	Larned, Kan.	Apr. 1
Apr. 10	Johnstown, Pa.	Mar. 25
Apr. 12	Indianapolis, Ind.	Mar. 25
Apr. 13	Omaha, Neb.	Apr. 1
Apr. 14	Mississippi	Mar. 25
Apr. 16	Cincinnati, O.	Mar. 25
Apr. 21	Maine	Apr. 1
Apr. 22	North Dakota Adv. Mar. 18 to Apr. 1.	Mar. 18
Apr. 30	Duluth, Minn.	Mar. 25

Dams

Apr. 6	New Brunswick, N. J.	Mar. 18
Apr. 16	Livonia, N. Y. Adv. Mar. 25 and Apr. 1.	Mar. 25

Railways

Apr. 3	Missouri	Mar. 25

Excavation, Drainage, Irrigation, Levees, River and Harbor

Apr. 2	Long Island City, N. Y.	Apr. 1
Apr. 5	Peru, Ind.	Mar. 4
Apr. 8	New York Adv. Mar. 11 to Apr. 1.	Mar. 11
Apr. 10	Pulaski, Ill.	Apr. 1
Apr. 10	Sardis, Miss.	Apr. 1
Apr. 13	Baton Rouge, La.	Apr. 1
Apr. 14	Bradenton, Fla. Adv. Mar. 25 and Apr. 1.	Mar. 25
Apr. 14	New York Adv. Apr. 1.	Apr. 1
Apr. 15	Albany, N. Y. Adv. Mar. 18 to Apr. 1.	Mar. 18
Apr. 27	New York Adv. Apr. 1.	Apr. 1

Streets and Roads

Apr. 2	Roselle, N. J.	Apr. 1
Apr. 2	New Providence, N. J.	Apr. 1
Apr. 2	Long Island City, N. Y.	Apr. 1
Apr. 3	Warwick, R. I.	Apr. 1
Apr. 3	Waynesburg, Pa.	Apr. 1
Apr. 3	Toronto, Ont.	Mar. 25
Apr. 3	Racine, Wis.	Apr. 1
Apr. 4	Waterloo, Ia.	Apr. 1
Apr. 5	Coatesville, Pa.	Mar. 11
Apr. 5	Toccoa, Ga.	Mar. 25
Apr. 5	St. Augustine, Fla.	Mar. 25
Apr. 5	Elizabeth City, N. C.	Mar. 25
Apr. 5	Cincinnati, O.	Apr. 1
Apr. 5	Union, N. J.	Apr. 1
Apr. 5	Colorado	Apr. 1
Apr. 5	Dalton, Ga.	Apr. 1
Apr. 5	Hobert, Okla.	Apr. 1
Apr. 5	Storm Lake, Ia.	Apr. 1
Apr. 5	Beaverton, Ont.	Apr. 1
Apr. 5	Moorhead, Minn.	Apr. 1
Apr. 5	Shorewood (Milwaukee P. O.), Wis.	Apr. 1
Apr. 5	Sherman, Tex.	Apr. 1
Apr. 6	Elbow Lake, Minn.	Apr. 1
Apr. 6	Auburn, Ind.	Mar. 18
Apr. 6	Newton, Kan.	Mar. 18
Apr. 6	Winona, Miss.	Mar. 11
Apr. 6	Louisiana	Mar. 11
Apr. 6	St. Louis, Mo.	Mar. 18
Apr. 6	Pennsylvania	Mar. 18
Apr. 6	North Dakota	Mar. 18
Apr. 6	Indiana	Mar. 18
Apr. 6	Vincennes, Ind.	Mar. 18
Apr. 6	Gainesville, Fla.	Mar. 25
Apr. 6	Chico, Calif.	Mar. 25
Apr. 6	New Market, N. J.	Mar. 25
Apr. 6	Elizabeth City, N. C. Adv. Mar. 25 and Apr. 1.	Mar. 25
Apr. 6	Palmetto, Fla.	Mar. 25
Apr. 6	Ventura, Calif.	Mar. 25
Apr. 6	Ely, Minn.	Mar. 25
Apr. 6	Washington	Mar. 25
Apr. 6	Maryland Adv. Mar. 25 and Apr. 1.	Mar. 25
Apr. 6	Gulfport, Miss.	Apr. 1
Apr. 6	San Rafael, Calif.	Apr. 1
Apr. 6	Omaha, Neb.	Apr. 1
Apr. 6	Pocahontas, Ia.	Apr. 1
Apr. 6	Iowa	Apr. 1
Apr. 7	Pennsylvania	Mar. 18
Apr. 7	New Jersey Adv. Mar. 25 and Apr. 1.	Mar. 25
Apr. 7	Grand Rapids, Minn.	Mar. 25
Apr. 7	Holland, Mich.	Apr. 1
Apr. 7	Fayette, Miss.	Mar. 25
Apr. 7	North Dakota	Mar. 25
Apr. 7	Chicago, Ill.	Apr. 1
Apr. 7	Wolback, Neb.	Apr. 1
Apr. 7	West Bend, Wis.	Apr. 1
Apr. 7	Nevada, Ia.	Apr. 1
Apr. 7	Brooklyn, N. Y.	Apr. 1
Apr. 7	Upper Arlington (Columbus P. O.), O.	Apr. 1
Apr. 8	Winfield, Kan.	Mar. 11
Apr. 8	North Dakota	Mar. 25
Apr. 8	Ellensburg, Wash.	Apr. 1
Apr. 8	Poughkeepsie, N. Y. Adv. Apr. 1.	Apr. 1
Apr. 8	Tomahawk, Wis.	Apr. 1
Apr. 8	New York, N. Y.	Apr. 1
Apr. 8	Louisiana	Apr. 1

See proposal advertising on page 158, Advertising Section

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

16-in. c. i. B&S water main laid with LEADITE joints, tested to 195 lbs. water pressure.

Pipe Joint Knowledge

LEADITE is recognized to be the best material for making joints in cast iron bell and spigot water mains by thousands of water works men thruout the world.

Water works men who keep a check on their systems and make water waste surveys know that their pipe lines laid with LEADITE are tight.

Their experience with LEADITE has proven to them that LEADITE joints improve with age, and that the joints do not corrode or rust.

They know that LEADITE has been successfully tested and used for over 30 years.

They know LEADITE will flow around a 60-in. pipe just as easily as it does around a 4-in. pipe; size does not make any difference. They know LEADITE fills every crevice of the joint.

They know LEADITE eliminates the expense and drudgery of caulking.

They know the simplicity, economy and efficiency with which LEADITE can be used.

Give LEADITE a fair trial and convince yourself of its merit and many advantages.

Join the LEADITE users.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking Material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close *See Eng. News-Record*

Apr. 9 Durham, N. C. ..... Apr. 1
Adv. Apr. 1.
Apr. 9 Cincinnati, O. ..... Apr. 1
Apr. 9 North Dakota ..... Mar. 18
Apr. 9 Wichita, Kan. ..... Apr. 1
Apr. 9 Tampa, Fla. ..... Apr. 1
Apr. 12 Kentucky ..... Mar. 11
Apr. 12 Akron, O. ..... Mar. 11
Apr. 12 Kentucky ..... Mar. 18
Apr. 12 Keokuk, Ia. ..... Apr. 1
Apr. 12 California ..... Apr. 1
Apr. 12 New Jersey ..... Apr. 1
Adv. Mar. 25 and Apr. 1.
Apr. 12 Oakland, Calif. ..... Apr. 1
Apr. 12 San Diego, Calif. ..... Apr. 1
Apr. 13 Washington ..... Apr. 1
Apr. 13 Baird, Tex. ..... Apr. 1
Apr. 13 Louisiana ..... Mar. 18
Apr. 13 St. Louis, Mo. ..... Mar. 25
Apr. 13 North Dakota ..... Apr. 1
Apr. 14 North Dakota ..... Apr. 1
Apr. 14 Florida ..... Mar. 25
Apr. 14 Delaware ..... Mar. 25
Apr. 14 Houma, La. ..... Apr. 1
Apr. 15 Anderson, Ind. ..... Apr. 1
Apr. 15 Birmingham, Ala. ..... Mar. 18
Apr. 15 Birmingham, Ala. ..... Mar. 11
Apr. 15 Tarrant City, Ala. ..... Mar. 18
Apr. 15 North Dakota ..... Apr. 1
Apr. 15 Louisiana ..... Mar. 25
Apr. 15 Fine, N. Y. ..... Apr. 1
Adv. Apr. 1.
Apr. 15 Virginia ..... Apr. 1
Adv. Apr. 1.
Apr. 16 Oswego, Kan. ..... Mar. 25
Apr. 16 Brownsville, Tex. ..... Apr. 1
Apr. 17 Oconomowoc, Wis. ..... Apr. 1
Apr. 19 Floydada, Tex. ..... Apr. 1
Adv. Apr. 1.
Apr. 19 Minneapolis, Minn. ..... Apr. 1
Apr. 20 Pennsylvania ..... Apr. 1
Adv. Apr. 1.
Apr. 20 Birmingham, Ala. ..... Mar. 11
Apr. 20 Lyons, Kan. ..... Mar. 25
Apr. 20 New York ..... Apr. 1
Adv. Apr. 1.
Apr. 21 Freehold, N. J. ..... Apr. 1
Adv. Apr. 1.
Apr. 28 Mobile, Ala. ..... Apr. 1
Adv. Apr. 1.
Apr. 30 West Virginia ..... Apr. 1
Adv. Apr. 1.
May 1 Birmingham, Ala. ..... Mar. 25
May 1 Florence, Ala. ..... Apr. 1

Buildings—Commercial

Apr. 2 Phila., Pa. ..... Apr. 1
Apr. 5 Mansfield, O. ..... Mar. 25
Apr. 6 Fresno, Calif. ..... Mar. 18
Apr. 7 Upper Darby (br. Phila.), Pa. ..... Apr. 1
Apr. 8 Mt. Vernon, N. Y. ..... Apr. 1
Apr. 8 Ponca City, Okla. ..... Apr. 1
Apr. 9 Urbana, Ill. ..... Mar. 25
Apr. 12 Wash., D. C. ..... Apr. 1
Apr. 16 San Antonio, Tex. ..... Apr. 1
May 1 Birmingham, Ala. ..... Apr. 1
May 4 Iowa City, Ia. ..... Apr. 1

Buildings—Industrial

Apr. 6 East Greenwich, R. I. ..... Apr. 1
Apr. 8 Rome, N. Y. ..... Mar. 18
Apr. 14 Highlands, N. C. ..... Apr. 1

Buildings—Educational, Religious

Bids close *See Eng. News-Record*

Apr. 2 New Britain, Conn. ..... Apr. 1
Apr. 5 Whittier, Calif. ..... Mar. 25
Apr. 5 Evansville, Ind. ..... Mar. 25
Apr. 5 Quincy (Boston P. O.), Mass. ..... Apr. 1
Apr. 5 Quebec, Que. ..... Apr. 1
Apr. 6 Hazelton, Pa. ..... Mar. 18
Apr. 6 Churubusco, Ind. ..... Mar. 25
Apr. 6 Louisburg, N. C. ..... Apr. 1
Apr. 6 Chelsea, Mich ..... Apr. 1
Apr. 6 Phila., Pa. ..... Apr. 1
Apr. 8 Mariners Harbor (Ind. sta. Staten Island), N. Y. ..... Apr. 1
Apr. 8 Hollis (mail Jamaica), N. Y. ..... Apr. 1
Apr. 10 Waukesha, Wis. ..... Apr. 1
Apr. 13 Jacksonville, Fla. ..... Mar. 25
Apr. 13 Chicago, Ill. ..... Apr. 1
Apr. 14 Fordson (Detroit P. O.), Mich. ..... Mar. 4
Apr. 15 Tuscaloosa, Ala. ..... Mar. 25
Apr. 15 Lawrence, Kan. ..... Mar. 25
Apr. 15 Canton, O. ..... Apr. 1
Apr. 17 Cleveland, O. ..... Apr. 1
Apr. 28 Bowling Green, O. ..... Apr. 1

Federal Government Work

Apr. 5 Vestibule, etc.—Cedar Rapids, Ia. ..... Apr. 1
Apr. 6 Earthwork—Iowa ..... Mar. 18
Adv. Mar. 18 to Apr. 1.
Apr. 6 Addition—Abilene, Tex. ..... Mar. 25
Apr. 7 Road—Arizona ..... Apr. 1
Apr. 12 Dredging — Hartford, Conn. ..... Mar. 11
Adv. Mar. 11 to Apr. 1.
Apr. 12 Levee—Memphis, Tenn. ..... Mar. 25
Apr. 12 Remodeling—Santa Barbara, Calif. ..... Mar. 25
Apr. 12 Wire, etc.—Memphis, Tenn. ..... Apr. 1
Adv. Apr. 1.
Apr. 12 Extension—Santa Barbara, Calif. ..... Apr. 1
Apr. 13 Remodeling—Chester, Pa. ..... Mar. 25
Apr. 14 Quarters—Astoria, Ore. ..... Apr. 1
Apr. 15 Earthwork—New Orleans, La. ..... Mar. 25
Apr. 16 Dredging—Galveston, Tex. ..... Mar. 18
Adv. Mar. 18 to Apr. 1.
Apr. 16 Quarantine Station—Mobile, Ala. ..... Mar. 25
Adv. Mar. 25 and Apr. 1.
Apr. 16 Mezzanine, etc.—Syracuse, N. Y. ..... Apr. 1
Adv. Apr. 1.
Apr. 19 Extension—Macomb, Ill. ..... Apr. 1
Apr. 20 Turbine, etc.—Nebraska and Wyoming ..... Mar 18
Apr. 20 Addition—Newark, N. Y. ..... Apr. 1
Adv. Apr. 1.
Apr. 20 Cable—Buffalo, N. Y. ..... Apr. 1
Adv. Apr. 1.
Apr. 20 Fill—Gulfport, Miss. ..... Apr. 1
Apr. 21 Hospital—Wash., D. C. ..... Mar. 25
Adv. Mar. 25 and Apr. 1.
Apr. 21 Extension—Oklahoma City, Okla. ..... Apr. 1
Apr. 21 Storage—Pensacola, Fla. ..... Apr. 1
Apr. 22 Granite—Wash., D. C. ..... Mar. 25
Adv. Mar. 25 and Apr. 1.
Apr. 22 Dredging—Ft. Mifflin (mail Essington), Pa. ..... Apr. 1

Bids close *See Eng. News-Record*

Apr. 22 Brush and Poles—Memphis, Tenn. ..... Apr. 1
Apr. 27 Recreation, etc. — Pennsylvania ..... Apr. 1
Adv. Mar. 25 and Apr. 1.
Apr. 28 Catamarans—Norfolk, Va. ..... Apr. 1
Adv. Apr. 1.
Apr. 28 Quarters—Wash., D. C. ..... Apr. 1
Apr. 29 Excavation, etc.—Easton, Wash. ..... Apr. 1
Adv. Apr. 1.
Apr. 30 Cranes—Wash., D. C. ..... Apr. 1
Adv. Apr. 1.
May 5 Dredging—South Boston (sta. Boston), Mass. ..... Mar. 25

Unclassified

Apr. 5 Lighting System—Biloxi, Miss. ..... Mar. 25
Apr. 5 Signal Tower, etc.—New York ..... Mar. 25
Apr. 7 Sanitary Work, etc.—Ogdensburg, N. Y. ..... Mar. 18
Apr. 8 Rolling Doors—San Francisco, Calif. ..... Apr. 1
Apr. 8 Fieldhouse, etc.—New York, N. Y. ..... Apr. 1
Apr. 9 Special Work—New York, N. Y. ..... Apr. 1
Apr. 12 Power Plant Equipment—Richmond, Ind. ..... Mar. 25
Apr. 13 Culverts—Omaha, Neb. ..... Apr. 1
Apr. 20 Unloader—New Orleans, La. ..... Mar. 25
May 5 Tunnel—San Francisco, Calif. ..... Apr. 1
Adv. Apr. 1.
May 18 Signal System—Buffalo, N. Y. ..... Apr. 1

Materials

Apr. 2 Timber Piles—Albany, N. Y. ..... Mar. 18
Apr. 2 Tar—Cincinnati, O. ..... Mar. 25
Apr. 5 Pipe, Cement, etc.—Everett (Boston P. O.), Mass. ..... Apr. 1
Apr. 5 Culvert Pipe—Storm Lake, Ia. ..... Apr. 1
Apr. 6 Tile Drain, etc.—Pocohantas, Ia. ..... Apr. 1
Apr. 6 Lumber—Jones, La. ..... Mar. 4
Apr. 6 Cement, etc.—Collins, Miss. ..... Mar. 25
Apr. 6 Culvert Pipe—Independence, Ia. ..... Apr. 1
Apr. 6 Culvert Pipe—Knoxville, Ia. ..... Apr. 1
Apr. 7 Cement, etc.—Springfield, Mass. ..... Mar. 25
Apr. 7 Road Oil, Cement, etc.—Boston, Mass. ..... Apr. 1
Apr. 8 Road Oil—Menasha, Wis. ..... Apr. 1
Apr. 8 Asphaltic Cement—Milwaukee, Wis. ..... Apr. 1
Apr. 8 Steel—Oshkosh, Wis. ..... Apr. 1
Apr. 9 Timber, Culvert Pipe—Sac City, Ia. ..... Apr. 1
Apr. 9 Steel Tank Plates—St. Louis, Mo. ..... Apr. 1
Apr. 12 Crushed Rock — New Jersey ..... Apr. 1
Adv. Mar. 25 and Apr. 1.
Apr. 20 Road Signs—Iowa ..... Apr. 1
Adv. Apr. 1.
Apr. 30 Road Oil—Nashville, Tenn. ..... Mar. 25

News of New Work

Waterworks

Proposed Work

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Conn., Storrs (R. Sta. Eagleville)—State made plans wells and reservoirs to store water from Fenton and Willimantic Rivers providing water for Connecticut Agricultural College, here, and State Training School, Mansfield. C. M. Saville, 1026 Main St., Hartford, engr.

N. C., Hendersonville — Plans purchasing water system from local company and make extensive improvements. Noted Dec. 10.

N. C., Sanford — Sold $100,000 bonds, enlarging water plant.

Tenn., Waverly—Made preliminary plans new waterworks. $20,000. J. D. Luten, mayor. Engineer not selected.

Mich., Halfway—Rejected bids Feb. 17, 26 mi. 6- to 12-in. c.i. mains in Ash, Birch, Chestnut, Magnolia and Gratiot Aves. $270,000. Making revised plans 38 mi. mains for whole village. R. H. O'Mara, Kaiser Bldg., engr. Noted Feb. 11.

Mich., Iron Mountain—Plans extending 10,000 lin.ft. 6 in. c.i. mains in various streets. To exceed $15,000. F. W. Hartmen, city engr.

Ill., East Moline — See "Streets and Roads."

Ill., Galesburg — Plans new deep well (Potsdam), 12,000 gal. per min. capacity. $25,000. A. L. Richey, City Hall, engr.

Minn., Jordan — Election soon $23,000 bonds, enlarging and extending mains in various streets. J. C. Busch, city clk.

Kan., Severy—Made plans and surveys new waterworks, incl. wells, etc. Election in April, $50,000 bonds for same. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Feb. 25.

Kan., Winchester—Soon takes bids new waterworks. $35,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs. Noted Dec. 17.

N. D., Manden—Defeated $165,000 bonds, improving waterworks. Noted Mar. 11.

Mo., Bowling Green—Election in April, $80,000 bonds, complete water works and distribution system. McCarthy & Elder, Marion, Ill., engrs.

Mo., Webster Groves (Ind. br. St. Louis)—Voted $150,000 bonds, improving and extending waterworks. Noted Mar. 4.

Ark., Corning—Plans waterworks, distribution and sewerage systems. $90,000. J. R. Rhyne, City Hall, engr.

Ark., Judsonia — Making preliminary plans forming waterworks district and constructing new waterworks. J. C. Hughes, mayor. Engineer not selected.

Tex., Cotulla — Plans new and larger mains, pumping equipment, etc. $75,000. Address Mayor.

Tex., Duncanville — Duncanville Water Impvt. Dist. plans election $100,000 bonds, organizing district, etc. Engineer not selected.

See classified index on bids wanted on page 185

When *Time* Must be Saved

On many new and repair jobs *time* often is of prime importance.

Just as crack trains cross the country in quick *time,* and powerful motor cars cut *time* records and the U. S. air mail planes almost annihilate *time* to speed up deliveries, so also can *time* be saved to speed up many construction jobs.

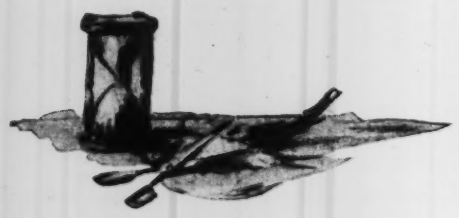
In such cases you do not want to wait the time usually required for concrete to gain the desired strength. With the proper materials and methods you do not need to. You can obtain quick-hardening, strong concrete in *3 days* with standard *Universal* cement, the same quality *Universal* as regularly used, by applying the same methods that thousands of laboratory tests and actual construction experience prove will give the desired results.

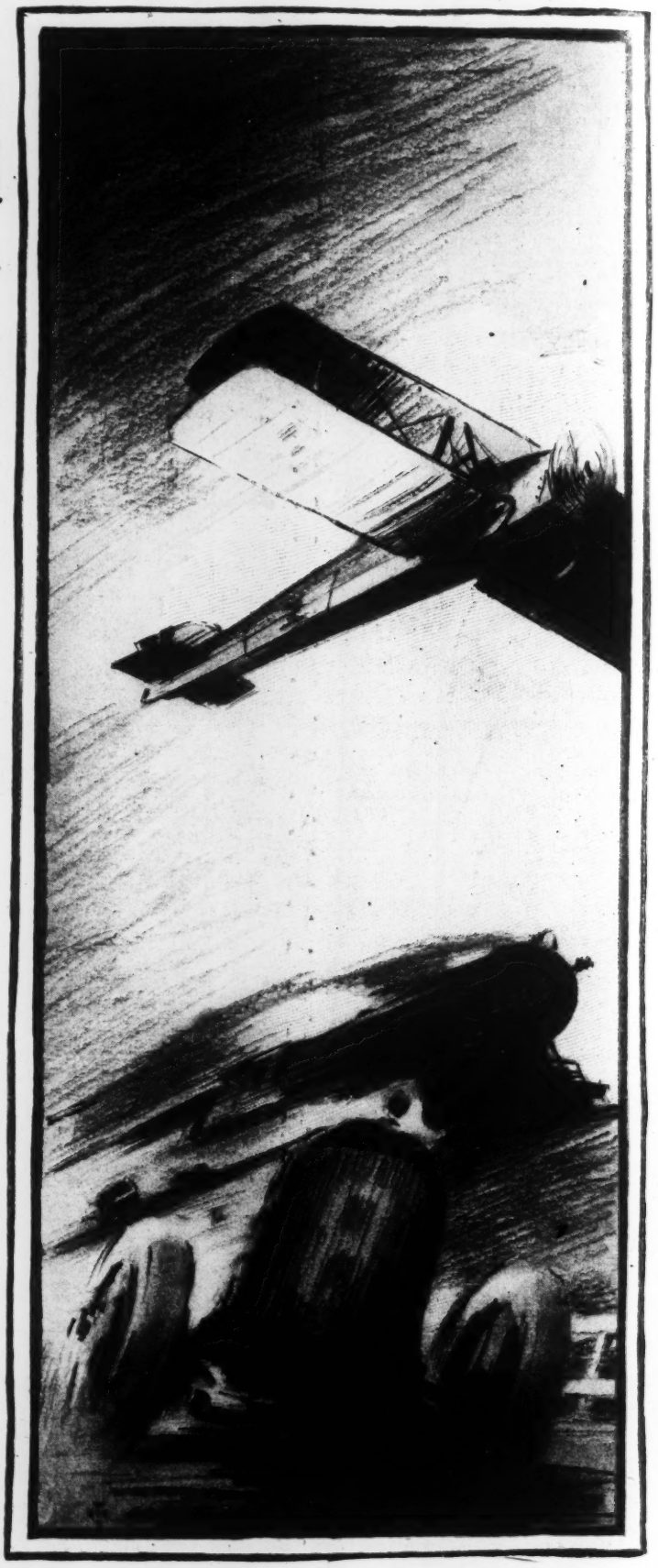
Detailed information on how to obtain quick-hardening, strong concrete in *3 days* with standard *Universal* cement on jobs "where *time* must be saved" gladly furnished on request to

UNIVERSAL PORTLAND CEMENT CO.

Chicago Pittsburgh Minneapolis Duluth
Cleveland Columbus New York

Concrete for Permanence





Waterworks (Continued)

Okla., Chandler—Election soon $100,000 bonds, waterworks. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Clinton — Making surveys new water supply. $600,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Sperry — Plans election $15,000 bonds, waterworks and sanitary sewers in various streets. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Spiro—Voted $40,000 bonds, waterworks extensions.

Colo., Ft. Collins—Rejected bids Feb. 9, Sects. B and C flow line for waterworks extension and repairs. Kiersted & Stringfellow, 614 Interstate Bldg., Kansas City, Mo., engrs. Noted Mar. 11.

N. M., Melrose—Election Apr. 6, $45,000 bonds, waterworks. F. E. Devlin Eng. Co., 614 Bitting Bldg., Wichita, Kan., engrs.

Idaho, Pocatello—Election Apr. 6, $463,000 bonds, enlarging reservoir and mains. Burns & McDonnell Eng. Co., 401 Interstate Bldg., Kansas City, Mo., engrs.

Calif., Mount Shasta — See "Contracts Awarded."

Calif., Ventura — Ventura Water Work Dist. 2, plans election $35,000 bonds, constructing waterworks. C. W. Petit, Ventura, co. surv.

Ont., Toronto — Plans 6- to 12-in. c.i. mains in Sorauren Ave. $12,597, Heath Crescent $550, Ridge Dr. $5,073, Sighthill Ave. $842, and Leone Ave. $722. R. C. Harris, City Hall, engr.

Bids Desired

Mass., Boston — Apr. 5, by Dept. Pub. Wks., laying and relaying mains in various streets, in West Roxbury and Hyde Park; Apr. 6, in Brighton and Dorchester. $15,000. J. H. Sullivan, comr.

N. Y., Bath—Apr. 28, by Superintendent Purchase, Capitol, Albany, additional water supply for fire protection, at New York State Soldiers & Sailors Home, here. S. W. Jones, Capitol, Albany, state archt.; adv. E. N.-R. Apr. 1.

N. Y., Brooklyn—Apr. 6, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains under board walk, Empire Blvd., Elmore Pl., Avenues R and T, Coney Island, Dumont, Neptune, Nostrand, Riverdale, Rogers, St. Marks, 20th and 23rd Aves., Burnett, Carroll, Elton, March, Pacific, 37th, East 95th, East 99th, West 11th and Bay 16th Sts., here.

N. Y., New York — Apr. 6, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc., in Broadway and Laurel Hill Terraces, 3rd, 7th and 10th Aves., Arden, Henshaw, Park, East 6th, East 8th, East 32nd, West 130th, 138th, 160th, 193rd and 196th Sts.

N. J., Trenton—Apr. 9, by Water Dept., 225 tons, more or less, 6 in. and 50 tons, more or less 4 in. pipe, one thousand ¾ in., fifty 1¼ in. and two hundred 1 in. curb stops (Mueller, Hayes or equal), etc. A. Bugbee, City Hall, engr.

Pa., Ebensburg—Apr. 19, by J. B. Lehman, secy., and S. E. Mays, boro engr., brick and steel filtration plant, washwater tank, etc. $100,000. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs. Noted Mar. 11.

Fla., New Port Richey—Apr. 6, by Burns-Becker Realty Co., W. E. Burns, pres., 11,000 ft. mains, etc., in various streets. $25,000.

Miss., Pickens—Apr. 6, by Mayor and Bd. Aldermen, furnishing and installing 100 meters and 100 meter boxes. J. M. Yarborough, town clk.

O., Akron—Apr. 5, at office A. S. Helpbringer, city purch. agt., Municipal Bldg., 75 tons ¾ in double strength lead pipe and 50 tons pig lead.

O., Upper Arlington (Columbus P .O.)— See "Streets and Roads."

O., Upper Arlington (Columbus P. O.)— See "Sewers."

Mich., Detroit — Apr. 6, by Bd. Water Comm., 32,835 ft. 6- to 16-in. mains in various streets, Contr. 1926-7; 52,037 ft. 6- to 16-in. in Contr. 1926-8; and 48,725 ft. 6- to 12-in. in Contr. 1926-9. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr.

Wis., Centuria—Apr. 9, by C. Anderson, city clk., 9,000 ft. 6 and 8 in., c.i. mains in various streets, also 75,000-100,000 gal. steel or concrete tank on tower, etc. $20,000. Druar & Milinowski, 50 Globe Bldg., St. Paul, Minn., engrs.

Wis., Kenosha—Apr. 15, by C. M. Osborn, city mgr., 2,500,000 gal. rein.-con. storage reservoir, two 36 in. hydraulic valves, c.i. pipe and specials at filtration plant. $100,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.

Wis., Milwaukee—Apr. 8, by Central Bd. Purch., J. W. Nicholson, ch. buyer, 1,438,375 tons plain and 732,795 tons lugged c.i. pipe, 36, 42 and 48 in., also 121,845 tons special castings.

Mo., Marshall—Apr. 12, by City Clerk, 150,000 gal. tank on 140 ft. tower, 750 g.p.m., 200 ft. head triplex centrifugal motor driven pump, etc. Henrici-Lowry Eng. Co., 401 Security Bldg., Kansas City, engrs. Noted Mar. 25.

Tex., Port Arthur—Apr. 8, by J. O. Herpin, superv. engr., c/o J. P. Logan, mayor, two 10,000 g.p.m. low service, one 2,100 g.p.m. and one 3,500 g.p.m. high service motor driven pumps, for City $35,000.

Okla., Okmulgee — Apr. 14, at office A. Baker, comr. Finance, by Bd. Comrs., new water supply, incl. dam, etc. L. F. Harza, 919 Monadnock Bldg., Chicago, consult. engr.; adv. E. N.-R. Apr. 1. Noted Mar. 25.

Okla., Wewoka—City in market for 500 g.p.m. capacity, 2 stage centrifugal pump driven by 75 hp. marine type gasoline engine, for fire fighting purposes. D. R. Freser, city clk.

Calif., El Segundo—Apr. 9, by V. D. McCarthy, city clk., 1,500 lin.ft. 6 in. Class "B" c.i. and 2,200 lin.ft. 4 in. Class "B" bell and spigot, also 2,450 lin.ft. 2 in. galvanized iron screw pipe, etc.

Calif., Los Angeles—Apr. 12, by Supervs. Los Angeles Co., 250,000 gal. rein.-con. reservoir at county farm.

Que., St. Lambert — Apr. 19, by City, mechanical gravity filter plant, Contr. A-1, etc. R. D. French, McGill University, Montreal, consult. engr.; adv. E. N.-R. Apr. 1. Noted Dec. 24.

B. C., Vancouver — Apr. 6, by W. McQueen, city clk., 12,000 ft. 6 in., 5,000 ft. 8 in., and 5,000 ft. 12 in. c.i. pipe, one hundred 6 in., fifty 8 in. and fifty 12 in. valves. $30,000. C. Brackenridge, city engr.

Bids Received

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Mar. 29, mains, etc., in 14th St., Astoria and 47th Aves., etc., from S. Gallucci & Sons, 38 Railroad Ave., Corona, $11,000. Noted Mar. 25.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Mar. 29, mains, etc., in Central Park, Bway., 1st and 3rd Aves., etc., from Knight & DeMicco, 448 East Tremont Ave., $18,023. Noted Mar. 25.

O., Cleveland—Bd. Comrs. Cuyahoga Co., 18,000 ft. 8- to 12-in. c.i. mains in Rockside Rd. and vicinity, from Gantose Constr. Co., Brook Park Rd., $89,459.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Mar. 16, (1) four 650 hp. boilers (2) forced draft chain grate stokers for boilers (3) 2 preheaters for boiler rooms (4) coal and ash handling equipment for power plant at Howards Bend on Missouri River, St. Louis Co., from Heine Boiler Co., 5319 Marcus Ave., (1) $106,000; from Combustion Eng. Co., F. J. McDevitt, mgr., 1953 Ry. Exch. Bldg., (2) $29,831 (3b) $5,880; from Pratt-McDaniel Corp., 101 Park Ave., New York City, N. Y., (3a) $4,800; and from Stephens-Adamson Mfg. Co., Federal Commerce Trust Bldg., (4) $64,304. Noted Feb. 25.

Tex., Greenville—Water filtration plant, 3 m.g. capacity, from N. S. Sherman Machine & Iron Wks., 18-32 East Main St., Oklahoma City, Okla., $103,000.

Calif., San Rafael—E. A. Prentice, secy. Bd. Directors Marin Co. Municipal Water Dist., 468 4th St., Mar. 16, furnishing 29,404 lin.ft. 26 in. and 7,346 lin.ft. 30 in. welded steel pipe, etc., f.o.b. Fairfax, from Montague Pipe & Steel Co., Hobart Bldg., San Francisco; furnishing and installing above from Western Pipe & Steel Co., 444 Market St., San Francisco. Noted Feb. 25.

Contracts Awarded

Mass., Boston—Pub. Wks. Dept. Water Serv., 110,000 lb. iron castings, to Davis Fdry. Co., Lawrence, $0.35 per lb.

N. Y., Yonkers — Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, recirculating, sterlizing and filtering equipment, for swimming pool, Tibbitts Park, here, to Roberts Filter Mfg. Co., 6th and Columbia Sts., Darby, Pa., $13,390. Noted Mar. 4.

O., Cincinnati—Director Pub. Serv., 1,253 tons 16- to 24-in. c.i. pipe and 15 tons special castings to water distribution system in Bevis Ave .and Duck Creek Rd., to U. S. Cast Iron Pipe Co., Addyston, $57,546. Engrs. est. $55,000. Noted Mar. 4.

Mich., Detroit—Dept. Water Supply, to Michigan Valve & Fdry. Co., 2631 Parkinson Ave., one hundred fifty 12 in. gate valves for use in connection with new watermain extensions $63.50 each, fifty 16 in. $153, and twelve 24 in. $542.

Mich., Warren — F. Licht, village clk., 60,000 gal. elevated steel tank, to Pittsburgh Des Moines Steel Co., 873 Curry Bldg., Pittsburgh, Pa., $6,600; 20,000 lin.ft. 4- to 8-in. c.i. mains in various streets, to F. A. Wardlow, Warren, $37,922. Noted Mar. 4.

Minn., Fairmont — H. J. Waite, secy., Water & Light Comn., 3 centrifugal pumps for use at new filtration plant, to J. G. Robertson & Co., 2528 University Ave., St. Paul. Noted Mar. 11.

Colo., Ft. Collins—Distribution reservoir, to J. Finger & Son, Longmont, $65,935. Noted Mar. 11.

Ore., Medford — Water Comn., 30 mi. mains, etc. in various streets, to Swartley Bros., Corvallis, $647,924. Noted Feb. 25.

Calif., Los Angeles—To W. K. Thompson, Los Angeles, 40,000 ft. 4 in. German c.i. pipe, Schedule 1, $50.56 per ton; to U. S. Cast Iron Pipe Co., Wright-Callender Bldg., 6,000 ft. 8 in. Class "C" $1.284 per ft., 30,000 ft. Class "C" 6 in. $0.8834, 240,000 ft. Class "B" 6 in. $0.8217, 48,000 ft. 8 in. Class "B" $1.171, 12,000 ft. 12 in. Class "B" $2.034, all Schedule 2; to Amer. Cast Iron Pipe Co., Marsh-Stang Bldg., 20,000 ft. 4 in. Class "C" $0.62 per ft., 80,000 ft. 4 in. Class "B" $0.58, both Schedule 3.

Calif., Mount Shasta—Constructing pipe line, to J. Currie, 1100 Peninsula Ave., Burlingame, $29,560. Bids for 200,000 gal. tank rejected. Noted Mar. 4.

Ont., Belle River — Village, c.i. pipe, Contr. C, to Natl. Iron Corp., foot of Cherry St., Toronto; valves and hydrants, Contr. D, to Kerr Engine Co., Walker Rd., Walkerville; service connection materials, Contr. E, to J. T. Wing & Co., 335 Pitt St. E., Windsor; laying mains and pumping station, Contr. F, to McNamara Constr. Co., Ltd., 53 Yonge St., Toronto. Engrs. est. $40,000. Noted Feb. 25.

Sewers

Proposed Work

Fla., Avon Park—Plans election $60,000 bonds, storm sewers and $230,000 bonds sanitary sewers in various streets.

Fla., Miami—City Manager takes bids about Apr. 22, 23,438 ft. 10 in. vitr. sewer, etc., in Dist. 185, $150,000; 18,150 ft. 12 in., Dist. 186, $120,000; 800 ft. 15 in., Dist. 187, $65,000; 330 ft. 18 in., Dist. 188, $4,000; 1,030 ft. 12- to 18-in. vitr. sewer in Dist. S. R. 189, Contr. S. R. 71, $80,000; sewer in Dist. S. R. 192, Contr. S. R. 74, $160,000; and 3,515 ft. 12- to 27-in. vitr. sewer, etc., in Dist. S. R. 190, Contr. S. R. 72, $90,000. C. S. Nichols, Miami, engr.

Ky., Cadiz — Making preliminary plans new sewerage system. $27,000. J. R. Vinson, mayor. Engineer not announced.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids in spring 1,655 ft. 18- to 42-in. vitr. clay sewer in Parkdale Dr. et al., $35,600, 3,635 ft. 8- to 24-in. in Crosier St. $26,500, 2,625 ft. 8- to 24-in. in Kipling St. $16,000, 2,635 ft. 8- to 24-in. in Corice St. $14,800, 3,090 ft. 8- to 30-in. in La Follette St. et al., $24,600, and 3,265 ft. 8- to 20-in. in McKinley Ave. $17,000. J. E. Root, city engr.

O., London — Made plans 2¼ mi. 12 in. sewers in South Sewer Dist. 1, Union Twp. Address City Engineer.

Mich., Detroit—Dept. Pub. Wks. plans 2,904 ft. 2 ring, brick or concrete sewer, 2 ft. 6 in. x 3 ft. 9 in. egg shaped to 4 ft. cylinder, and 4 ft. 6 in. and 5 ft. 3 in. cylinder in Lyndon Ave. Arm Mill Rd. Sewer. P. A. Fellows, City Hall, engr.

Mich., Plymouth—Made plans 24,300 ft. 8- to 12-in. vitr. sewers, etc., in various streets. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Mich., Trenton—L. Frebes, village clk., made plans 8- to 12-in. storm sewers, etc., in St. Joseph Ave., Riverside Dr., George, Truax, Harrison, Cherry, Elm and Walnut Sts. $35,000.

Ill., East Moline — See "Streets and Roads."

Ill., Vandalia—Takes bids about Apr. 30, 18,000 ft. 8- to 12-in. vitr. clay sewers, septic tank, etc. in Sewer Dist 3. $30,000. A. H. Beard Eng. Co., 7370 Manchester Ave., Maplewood, Mo., engrs. Noted Oct. 22.

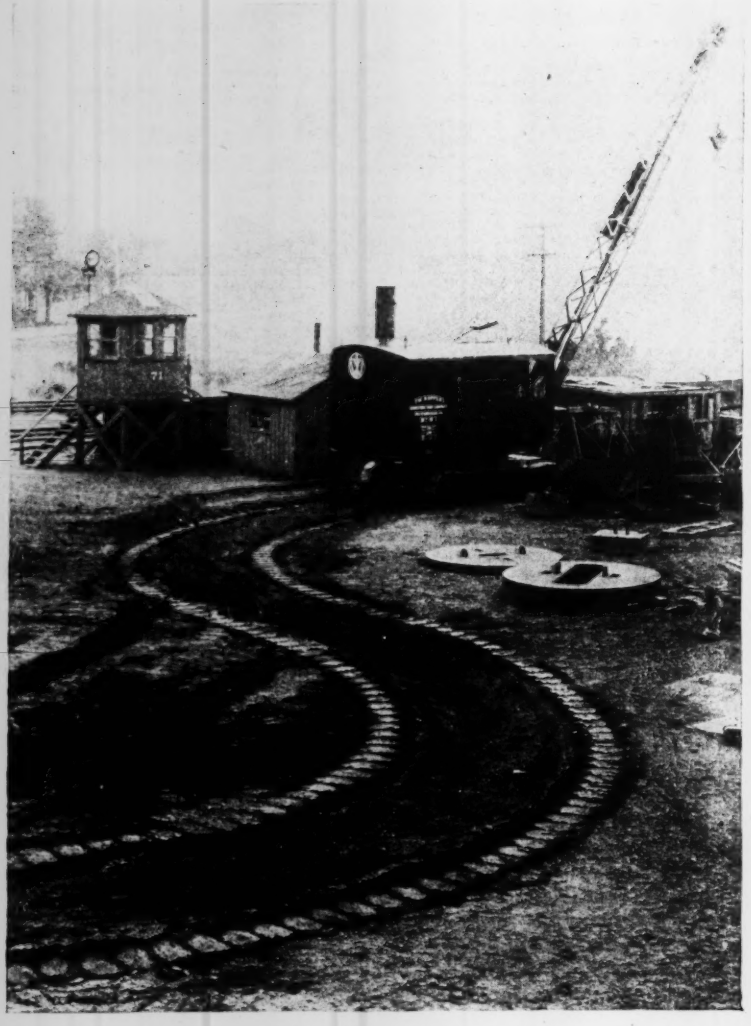
Kan., Medicine Lodge — Making preliminary plans sewers in various streets. $35,000. F. E. Devlin Eng. Co., 614 Bitting Bldg., Wichita, engrs.

Ark., Corning—See "Waterworks."

Tex., Beaumont—Making plans 40 mi. sewers in various streets. $76,000. R. C. Black, Beaumont, engr.

Tex., Knox City—Making plans sewers in various streets. $35,000. F. E. Devlin Eng. Co., 614 Bitting Bldg., Wichita, Kan., engrs.

Okla., Sperry—See "Waterworks."



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Sewers (Continued)

Calif., San Diego—Plans 86,580 ft. 6- to 10-in. concrete sewers, etc., in various streets of Normal Heights. F. A. Rhodes, City Hall, engr.

Calif., San Francisco—See "Streets and Roads."

Ont., Toronto—City Council plans 3,500 ft. 8 in. vitr. tile sewers in Cavel Ave., Duchess St., Plum Pl., lane first north of Danforth Ave., lane first north of Gerrard St. E., lane first east of Hastings Ave., lane first west of Dovercourt Rd., lane north of College St., and lane first west of Margueretta St. $29,750. R. C. Harris, City Hall, engr.

Ont., Toronto—York Twp. plans 4,500 ft. 8 in. and up vitr. tile sewers in Humberview Rd., lane at Belt Line Ry., Lessard, Westmount, and Rosecliffe Aves. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

Mass., Boston—Apr. 8, by Dept. Pub. Wks., sewerage works in various streets in Dorchester; Apr. 8, in various streets in Brighton; Apr. 9, in various streets in Roxbury; and Apr. 9, various streets in Boston Proper. J. H. Sullivan, comr.

N. Y., Greenburgh — Apr. 12, by Bd. Sewer Comrs. Greenville Sewer Dist., 155 Old Army Rd., sewerage system in Greenville Sewer Dist. J. N. Heeney, White Plains, engr.; adv. E. N.-R. Apr. 1.

N. Y., Long Island City—Apr. 7, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary sewers used temporarily as combined sewers in Little Neck Rd., Foch and Springfield Blvds., Hempstead, 99th and Jamaica Aves., 220th and 222nd Sts.

N. Y., New York—Apr. 8, by W. J. Flynn, acting pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., storm water drains in Adee Ave. and East 222nd Sts.; also sewer in East 222nd St. Former bids withdrawn. Noted Mar. 25.

N. J., Hasbrouck Heights (Ind. br. Hackensack)—Apr. 19, by Mayor and Boro Council, J. P. Breeze, clk., approximately 29,000 lin.ft. 4 in. vitr. house drain connections between curb line and main sewers in various streets. W. G. Ihnen, Esq., 1 Station Sq., Rutherford, boro. engr.; adv. E. N.-R. Apr. 1.

N. J., Newark—Apr. 6, by G. D. Bergen, purch. agt. Essex Co., Courthouse, constructing storm sewers in Mt. Pleasant, Chancellor, and Central Aves., etc.; and resurfacing Lindsey and Horseneck Rds.

W. Va., Parkersburg — See "Streets and Roads."

Fla., Lakeland — Apr. 20, by City, A. Schneider, mgr., sewage treatment plant, etc. C. C. Brown, city engr.; adv. E. N.-R. Apr. 1.

Ala., Mobile—See "Streets and Roads."

Tenn., North Chattanooga (br. Chattanooga)—Apr. 29, by Town Comrs., at Central Grammar School, W. S. Beck, mayor, sewerage system. Cushman-Farileigh Eng. Co., 724 James Bldg., engrs.; adv. E. N.-R. Apr. 1.

O., Cleveland — Apr. 7, by Bd. Comrs. Cuyahoga Co., 3,800 ft. 8- to 18-in. vitr. sewer in Lander Rd. Impvt. 310. To exceed $35,000. F. Williams, Court House, engr.

O., Upper Arlington (Columbus P. O.)—See "Streets and Roads."

O., Upper Arlington (Columbus P. O.)—Apr. 7, by N. R. Copeland, village clk., 26,900 ft. 8 in. and 10 in. sewers, etc., in various streets, $50,000; also 6,130 ft. 6- to 12-in. mains, etc., in various streets, $12,000. D. B. Sayers, 52 West Gay St., Columbus, engr.

Mich., Grand Rapids—Apr. 21, by Director Pub. Serv., City Hall, constructing Highland-Worden Relief Sewer Project, Contr. K-5. F. H. Locke, city mgr.; adv. E. N.-R. Apr. 1.

Ia., Schaller—Apr. 12, by M. E. Currie, city clk., City Hall, sewerage system, incl. Imhoff tank and sludge bed, 1,200 ft. 12 in. outlet sewer, etc. $25,000. W. E. Buell & Co., Davidson Bldg., Sioux City, engrs. Noted Dec. 17.

Calif., Los Angeles — Apr. 6, by Los Angeles Co. Sanitation Dist. 5, 4,068 ft. 8- and 10-in. vitr. clay or concrete sewer in Raymond Ave.; also 2,796 ft. 12 in. vitr. clay or concrete in Strawberry Ave. A. K. Warren, Law Bldg., engr.

Calif., Los Angeles—Apr. 7, by Los Angeles Co. Sanitation Dist. 2, Arizona Ave. Trunk Sewer, 2,930 ft. 18 in. and 4,197 ft. 15 in vitr. pipe, incl. 6 in. wyes, etc. A. K. Warren, Law Bldg., ch. engr.

Bids Received

N. Y., Buffalo—Commissioner Pub. Wks., extending Bailey Ave. overflow sewer, from Great Lakes Dredge & Dock Co., 7 Battery Pl., New York City, $46,000. Noted Mar. 4.

N. Y., New York—W. J. Flynn, acting pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., sewers in East 22nd St., from C. Turiano Contg. Co., 3185 East Tremont Ave., $31,389; Warring Ave., from C. E. Farrell Contg. Co., 1981 Pilgrim Ave., $2,290; Truxton St., from Slack & Slack, 143 Westchester Sq., $11,551; in Randall Ave. and receiving basins in Warring and Laconia Aves., from F. Spedero, 3185 East Tremont Ave., $3,963 and $1,130 respectively. Noted Mar. 25.

O., Akron — F. Peters, dir. Pub. Serv., Mar. 18, from McCourt Constr. Co., 369 South Main St., **(a)** segmental block **(b)** brick, 4,700 ft. 8- to 36-in. sewer in Diagonal Rd. et al, **(a)** $28,804 **(b)** $30,486, and 815 ft. 18 in. vitr. clay sewer in West Market St., $13,019; from Shullo & De Luca Constr. Co., 140 North Summit St., 3,750 ft. 8- to 30-in. sewer in Lucille et al, **(a)** $16,595 **(b)** $17,180; 1,830 ft. 8- to 15-in. vitr. clay sewer in Elinor and Norton Sts., $8,390; from F. A. Jordano, 1232 Andrus St., 1,140 ft. 8 in. vitr. clay sewer in Spring and Stuber Sts., $3,710. Noted Mar. 11.

O., Cleveland — For 110 ft. double bbl. concrete culvert Sect. 1, and 115 ft. 4 x 8 ft. concrete sewer Sect. 2, Puritas Ave., from Kassouff & Co., 3182 West 25th St. $8,998 and $3,943 respectively; 530 ft. 4 C, 295 ft. 3 C, and 300 ft. 2 C brick sewer in Carroll Ave., from Amata Constr. Co., 5910 Kinsman Rd., $17,965. Noted Mar. 11.

O., Cleveland—Bd. Comrs. Cuyahoga Co., 6,000 ft. 8- to 36-in. sewer in Broadview & Brookpark Rds., from Langenham Constr. Co., Marshall Bldg., segmental block $58,586, brick $61,852, and concrete $58,586. Noted Mar. 11.

Ill., Barrington—Village, Mar. 16, 33- to 60-in. concrete and below to 12 in. vitr. tile sewers in various streets, from Gjellefold-Chapman Constr. Co., Forest City, Ia., $244,335. Engrs. est. $300,000. Noted Mar. 4.

Tex., Waco — Sewage treatment plant, general contract from K. S. Hull, Jr., Temple, $121,384; piping and sluice gates, from McCall Eng. Co., 307 Amicable Bldg., and Potts & Prentice, 1410 Amicable Bldg., $36,450 each; motors and compressors, from B. F. Sturtevant, 4403 Rawlins St., Dallas, $13,292; 3 centrifugal pumps, from Industrial Electric Co., 505 Exposition Bldg., Dallas, $3,559; 2 diaphragm sludge pumps, from Dorr Co., 310 South Michigan Blvd., Chicago, Ill., $3,000; 2 horizontal and 3 rotary sludge drags with clarifying tanks, from Link-Belt Co., Mach. Merc. Bk. Bldg., Dallas, $3,960 and $11,650 respectively. Noted Jan. 21.

Calif., Glendale—City Trustees, Mar. 18, from B. D. Zaich, 220 West 56th St., Los Angeles, improving Sewer Dist. 3 (Colorado St., etc.), 49,782 ft. 8 in. vitr. pipe $1,245, 26,533 lin.ft. 6 in. vitr. house sewers $1.12, etc., total approximately $106,100. Noted Feb. 18.

Calif., Santa Monica—For **(a)** furnishing and laying 30,000 ft. 24 in. rein.-con. pressure pipe **(b)** furnishing and delivering 30,000 ft. 24 in. c.i. pipe, in connection with sewerage disposal plant line from Hyperion to Santa Monica, from Elliott, Stroud & Seabrook, Vista, **(a)** $3.72 per ft.; and from Nicoll Co., Rialto Bldg., San Francisco, **(b)** $5.5029. Noted Feb. 18.

Contracts Awarded

Md., Baltimore — Bd. Awards, storm drains and sanitary sewers in Dists. H-9 and H-12, Contr. 93, to Chesapeake Contg. Co., 216 St. Paul St., $64,845. Noted Mar. 25.

D. C., Wash.—Dist. Comrs., Dist. Bldg., 1,385 ft. 4 to 6 ft. brick and concrete Good Hope Sewer, 1,030 ft. 5 x 5½ ft. brick and concrete Legation St. Stormwater Sewer and 805 ft. 10 in. 30th and Adam St. service sewer, to J. A. Forbes, Wash., D. C., 770 ft. 18 in. W St. Service Sewer, to M. Cain Co., Wash., D. C., 370 ft. 10 in. 7th Pl. Service Sewer, 465 ft. 8 and 12 in. Trinidad Service Sewer, 655 ft. 10 and 12 in. South Kenilworth Sewer, 385 ft. 10 in. 17th St. Service Sewer, and 480 ft. 10 in. 9th St. Sewer, to Brenizer Co., 101 New York Ave. N. E.; 880 lin.ft. 10 and 12 in. South Chevy Chase Heights Service Sewer and 445 ft. 8 and 12 in. Trinidad Ave. Sewer, to W. A. Pate, Rockville, Md.

Mich., Detroit—Dept. Pub. Wks., 1,152 lin.ft. Lateral 4545 and 1,473 ft. Lateral 4548, 12- to 24-in. crock, to F. DiVito, 4174 Russell St., $3,370 and $5,617 respectively; 19,239 lin.ft. Lateral 4491, to Liberty Constr. Co., 1026 Detroit Savings Bank Bldg., $90,882; 11,855 ft. Lateral 4496, 1 ft. to 3.5 ft. cylinder, to Detroit Drainage Constr. Co., Meyers Ave., $48,839; 2,826 ft. 12- to 24-in. crock Lateral 4549, to P. Cappello, 4062 Burlingame Ave., $6,500; 28,794 ft. 1 ft. to 4 ft. Lateral 4550, to J. Westover, Transportation Bldg., $73,916; 4,561 lin.ft. 12- to 24-in. crock Lateral 4561, to Cadillac Constr. Co., Transportation Bldg., $18,500. Grand total $247,624. Noted Mar. 18.

Ky., Ft. Thomas — For Sect. 2 of Ft. Thomas Sewerage System, 35,000 ft. 6- to 12-in. vitr. clay pipe, etc., to Bishop Watts Constr. Co., Huntington, W. V., $72,471. Engrs. est. $80,000.

Mich., Detroit—Dept. Pub. Wks., Winchester Ave. Arm, Gallagher Ave. Sewer, to Detroit Drainage Constr. Co., Meyers Ave., $33,717; Twelfth St. Outlet and Dock foot of 12th St., to Candler Dock & Dredge Co., 8145 Medina Ave., $14,300; and Seven Mile Rd. Arm, Ashland Ave. Sewer, to Walbridge-Aldinger Co., 2356 Penobscot Bldg., $151,686. Grand total $199,703. Noted Mar. 25.

O., Cleveland—To Kassouff & Co., 3182 West 25th St., sewers in West 130th St., $10,002, Woodbury Ave., $15,000, and Greenway Ave. $8,326. Grand total $33,328. Work involves 8,750 ft. 12- to 24-in. vitr. clay pipe. Noted Mar. 25.

Wis., Milwaukee — See "Streets and Roads."

Wis., Wauwatosa—Bd. Pub. Wks., sewer and water house connections in North Ave., to A. W. Glawe, 20 State St. $33,832.

Calif., Beverly Hills—Concrete sewers in Municipal Impvt. Dist. 4, to L. Massa, P. O. Box 453, Bell, approximately $100,125.

Calif., Los Angeles—For 51,397 ft. 6- to 10-in. segmental block sewer in 9th Ave., to M. J. Simonovich, 727 Rodeo Rd., $59,245. Noted Mar. 25.

Calif., Los Angeles — To Kelly & Son, Hill-Street Bldg., constructing North Outfall Sewer, Sect. 29, 2,578 ft. 4 ft. 9 in. semi-elliptical brick concrete sewer $29,097, 2,209 ft. 4 ft. 9 in. semi-elliptical brick concrete sewer in tunnel $64,131, and 3,706 ft. 3 ft. 3 in. semi-elliptical brick concrete sewer in tunnel $74,608.

Ont., Toronto — For 2,500 ft. concrete trunk sewer in tunnel in Balliol St. from Bayview to Forman Ave., and Forman Ave. from Balliol St. to Davisville Ave., to J. Maguire Constr. Co. Ltd., 96 Spadina Rd., $349,436. Noted Jan. 1, 1925.

Ont., Toronto—City Council, to W. E. Taylor, 22 Falcon St., vitr. tile sewers in Athletic Ave. $893, and Craven Rd. $2,237; to Grant Contg. Co. Ltd., 47 Wellington St. E., Hubbard Blvd. $13,470, Glen Manor Dr. $5,280, Scarboro Beach Blvd. $5,680, Hammersmith Ave. $5,570, and Wineva Ave. $6,480; to City by day labor, Nursewood Rd. $7,313, Power St. $4,217, Bonfield Ave. $1,281, and Selwood Ave. $2,390. Grand total $54,811. Engrs. est. $54,900.

Ont., Toronto—For 1,200 ft. trunk sewer in Yonge St. from Lawrence Ave., south, to Connolly & Agnew, 606 Avenue Rd., concrete $40,468, brick $44,806. Engrs. est. $45,000.

Bridges

Proposed Work

Massachusetts—City of Lynn plans East Saugus Bridge between Saugus and Lynn. To exceed $25,000. Address City Engineer, City Hall, Lynn.

New Jersey—State Hy. Comn., Trenton, plans bridge over Shark River from Belmar to Avon. $300,000. W. G. Sloan, Trenton, state engr.

Tenn., Gainesboro—Jackson Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Cumberland River, near here. C. N. Bass, Nashville, comr.

Tenn., Union City—State Dept. Highways & Pub. Wks., Nashville, plans bridge over Obion River, near here, Obion Co. C. N. Bass, comr.

Mich., Detroit—Dept. Pub. Wks., plans 70 ft. steel I-beam and concrete bridge on concrete abutments, over Michigan Central Ry. tracks, on West Lafayette Ave. $70,000. P. A. Fellows, city engr.

Montana — State Hy. Dept., Helena, making plans four 20 ft. and two 80 ft. rubble masonry bridges on Blackfoot Highway, $75,000; and three 70 ft. concrete arch span bridge, on Federal Aid Project 187-B, Blackfoot Highway, $50,000, all in Glacier Co. State Hy. Comn., Helena, engr.

Missouri—State Hy. Dept., Jefferson City, making plans two 8 ft., one 10 ft. rein.-con. slab and one 30 ft., one 35 ft., one 40 ft. and one 50 ft. concrete deck girder spans, etc., in Cape Girardeau Co.; six 4 ft. and two 10 ft. rein.-con. and one 30 ft. rein.-con. deck girder spans, etc., Carroll Co.; two 8 ft., ten 10 ft. rein.-con. slab and one 70 ft. steel truss spans, etc., Cass Co.; one 20 ft. and one 40 ft. I beam, two 60 ft., three 80 ft., and two 240 ft. steel truss

Bridges (Continued)

spans, etc., Maries Co.; three 24 ft. rein.-con. slab and one 40 ft. rein.-con. deck girder spans, etc., Pettis Co.; two 12 ft., two 16 ft., and four 20 ft., rein.-con. slab spans, etc., Phelps Co.; four 12 ft., and three 14 ft. rein.-con. slab and one 80 ft. steel truss spans, etc., Pike Co.; two 12 ft. rein.-con. slab, one 35 ft., two 20 ft., one 45 ft. and two 30 ft. rein.-con. deck girder spans, etc., St. Charles Co. B. H. Piepmeier, ch. engr.

Tex., Kountze—See "Streets and Roads."

Tex., Marlin—See "Streets and Roads."

Tex., Sherwood—See "Streets and Roads."

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans 2 span 140 ft. steel truss bridge on concrete piers, at Sallisaw, Sequoyah Co., $40,000; 1 span 100 ft. steel truss bridge on concrete piers, at Dewar, Okmulgee Co., $30,000; and 1 span 96 ft. steel truss bridge on concrete piers, at Meeker, Lincoln Co., $25,000. J. M. Page, highway engr.

Okla., Dewar—State Hy. Dept., Oklahoma City, making preliminary plans 1 span 96 ft. steel truss bridge on concrete piers over Deep Fork Creek, Okmulgee Co., here. $35,000. J. M. Page, highway engr.

Ont., Forest Hill—Village and York Twp. plan 400 to 600 ft. concrete and steel bridge, on Bathurst St. north of Heathdale Ave. $100,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—City Council plans 500 ft. temporary wooden bridge over Western Gap between here and Toronto Island. $50,000. R. C. Harris, City Hall, engr.

Bids Desired

Maine—Apr. 21, by State Hy. Dept., Augusta, bridge over Kennebec River, between Bath and Woolwich. $3,000,000. J. H. Waddell, 150 Bway., New York City, engr. Noted Oct. 22.

West Virginia—See "Streets and Roads."

Iowa—Apr. 6, by State Hy. Dept., Ames, one 28 x 24 ft. I-beam bridge, one 50 x 20 ft. pony truss bridge and 29 box culverts, on Federal Aid Project 238, Montgomery Co.; one 60 x 20 ft. pony truss bridge, one 80 x 20 ft. pony truss bridge and 29 culverts and extensions on Federal Aid Project 64, Jasper Co.; 16 box culverts on Federal Aid Project 280, Pottawatomie Co.; one 32 x 24 ft. I-beam bridge, one 160 x 20 ft. high truss bridge and 3 culverts on Federal Aid Project 98, Winneshiek Co., 2 culverts on Federal Aid Project 99, Warren Co. F. R. White, ch. engr.

Kan., Eldorado—Apr. 21, by Clerk Butler Co., 1 span 150 ft. marsh arch bridge, on Federal Aid Project 239-D, near here. E. S. Elcock, Eldorado, co. engr. Noted Mar. 25.

Kan., Larned—Apr. 7, by Pawnee Co., two 20 ft. concrete slab span bridges, on Federal Aid Project 295-B. L. R. Harris, Larned, co. engr.

Kan., Wichita—See "Streets and Roads."

Neb., Omaha—Apr. 13, by G. Berger, clk. Douglas Co., repairing and constructing all bridges during 1926. $200,000.

Tex., Brownsville — See "Streets and Roads."

Colorado—See "Streets and Roads."

Bids Received

Missouri—State Hy. Dept., Jefferson City, Mar. 19, one 20 ft. rein.-con. slab span, etc. over south fork Deer Creek, Bates Co., from Cook & Wadell, Ottawa, K n. $2,714, one 20 ft. rein.-con. slab span, etc. over Smith Branch, Callaway Co., from V. E. Koch, Joplin, $3,435; two 10 ft. and five 5 ft. rein.-con. slab spans, etc. on Sta. 477 plus 28, Iron Co., from F. Engleman, Kansas City, $2,481; two 10 ft. and two 12 ft. rein.-con. slab spans, etc. over streams, Bates Co., from Winstead & Gunter, Siloam Springs, Ark., $3,012 and $2,185 respectively; three 24 ft. rein.-con. slab spans, etc. over Green Valley, also one 80 ft. and one 140 ft. steel truss spans, etc. over James River, both Christian Co., from Kelly & Underwood, Granby, $3,977 and $26,111 respectively; two 12 ft. rein.-con. slab and two 30 ft. rein.-con. deck girder spans, etc. over creeks, also one 30 ft. rein.-con. deck girder span, etc. over Wellard Branch, all in Polk Co., from M. E. Gillioz, Monett, $6,323 and $2,472 respectively; one 30 ft. rein.-con. deck girder span, etc. over north fork Deer Creek, Bates Co., from Koch & McGlone, Calhoun, $3,116; one 30 ft. rein.-con. deck girder span, etc. over Beeler Creek, Texas Co., and two 45 ft. rein.-con. deck girder spans, etc. over Wild Creek, Douglas Co., from Carte-Harlan Constr. Co., West Plains, $5,820 and $5,834 respectively, two 12 ft. and one 24 ft. rein.-con. slab spans, etc. over McKinney Branch, also three 20 ft. rein.-con. slab and one 45 ft. rein.-con. deck girder spans, etc. over Richland Creek, both Callaway Co., from W. P. McGeorge & Co., Pine Bluff, Ark. $5,059 and $6,914 respectively; two 20 ft. rein.-con. slab and one 40 ft. rein.-con. deck girder spans, etc. over stream, Lewis Co., from Newton Constr. Co., Columbia, $2,191 and $3,581 respectively; one 80 ft. steel truss span, etc. over Blackwater River, Johnson Co., from A. W. Mosley, Kansas City, $12,-755; one 60 ft. and two 30 ft. rein.-con. deck girder spans, etc. over Morman Fork, Bates Co., from W. A. Ross Constr. Co., Kansas City, $12,052; three 80 ft. steel truss spans, etc. over north fork Spring Creek, Barton Co., from Independent Constr. Co., Pittsburg, Kan., $22,383; one 40 ft. rein.-con. deck girder span, etc. over Mackafish Branch, Bates Co., also one 80 ft. steel truss and four 35 ft. I-beam spans, etc. over Blackwater River D. D., Johnson Co., from M. Haase, St. Joseph, $7,073 and $20,166 respectively; two 80 ft. steel truss and two 30 ft. rein.-con. deck girder spans, etc. over Saline Creek, Cooper Co., from L. W. Spengler, Kansas City, $22,121; and three 100 ft. rein.-con. open spandrell arch spans, etc. over Sac River, Greene Co., from A. P. Poirot, Belleville, Ill., $26,012. Noted Mar. 11.

Tex., Clarksville — See "Streets and Roads."

California — State Hy. Comn., Forum Bldg., Sacramento, Mar. 22, widening present bridge by moving four 100 ft. existing steel spans off center line of roadway and constructing 4 similar spans at side, etc. across Rio Honda, near city of Los Angeles, Los Angeles Co., from Gutleben Bros., Inc., I. W. Hellman Bldg., Los Angeles, $84,818. Noted Mar. 11.

Contracts Awarded

North Carolina — State Hy. Dept., Raleigh, rein.-con. bridges, etc. on Project 66-A, Richmond Co., to Hobbs Peabody Constr. Co., Charlotte, $31,167. Noted Feb. 18.

South Carolina — State Hy. Dept., Columbia, timber trestles and substructure for steel span on Santee River Bridge, one 180 ft. steel swing span, on State Route 40, Federal Aid Project 39-B, Charleston and Georgetown Counties, to Salmons-Clement Co., Charleston, $205,000.

O., Portsmouth — Portsmouth Fullerton Bridge Co. 700 ft. suspension steel bridge over Ohio River, to Dravo Contg. Co., Neville I., Pittsburgh, Pa., $700,000.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, **(e. e. means engrs. est.)**, bridge over Little Blue River, F. A. 58-B, Crawford Co., and one over Patoka River F. A. 58-D, Orange Co., Contr. 60, to Brown & Cunningham, English, $39,569 e. e. $41,170; bridge over Baltimore & Ohio R.R. tracks, F. A. 59 Sect. 3 Scott Co., Contr. 61, to J. F. Beggs & Co., Scottsburg, $29,386 e. e. $36,972; bridge over Otter Creek, F. A. 76-A1, and one over Spring Creek, F. A. 76-A2, Vigo Co., Constr. 62, to J. W. Dougherty & Sons, Framesburg, $52,112 e. e. $50,883; bridge over Lick Creek, F. A. 80, Fayette Co., Contr. 63, to Hoosier-General Constr. Co., Connersville, $7,932 e. e. $9,137; bridge over Indian Creek, S. 12 I-496, Owen Co., Contr. 64, to W. H. Grammer & Son, Evansville, $13,618 e. e. $14,659; bridge over Turkey Creek, S. 25-C-478, LaGrange Co., to J. E. Sweet & Sons, Woodburn, $8,697 e. e. $8,797; bridge over Plum Creek, S-31-E-399, and one over east branch Plum Creek, 31-E-400, Putman Co., Contr. 66, to Wasnidge & Leonard, Jasonville, $11,850 e. e. $13,396; bridge over Little Brady Creek, S-39-A-58, one over Lick Creek, 39-A-494, and one over Grassy Creek, 39-A-495, Marion Co., Contr. 67, to Kernodle & Fulwider, Lebanon, $22,-093 e. e. $28,106. Grand total $175,257. Noted Feb. 4.

Michigan — State Hy. Dept. at office comrs. Shiawassee Co., Corunna, File 761.306, Contr. 1, two 65 ft. spans, to J. P. Walters, Owasso, $26,746; steel, to Amer. Bridge Co., 2273 Beecher St., Detroit, $6,555. Noted Mar. 4.

Wisconsin — State Hy. Dept., Madison, constructing Whiskey Creek and County Line Bridges, on Winona-Marshland Rd., Federal Aid Project 340-B, Buffalo and Trempealeau Counties, to Guaranty Constr. Co., 305 Essex Bldg., Minneapolis, Minn., $29,913.

Wisconsin — State Hy. Dept., Madison, Minocqua Bridge, on Federal Aid Project 431-B, Oneida Co., to W. Tobe, Shingleton, Mich., $58,783.

Minnesota—See "Streets and Roads."

Kan., Greensburg — See "Streets and Roads."

South Dakota—State Hy. Dept., Pierre, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, one 52 ft., one 56 ft. and one 26 ft. rein.-con. viaducts on F.A.P. 193-C, Grant Co., to Weighton Constr. Co., Sioux City, Ia., $15,-394; one 50 ft., one 80 ft. and one 120 ft. rein.-con. viaducts, on F.A.P. 195-A, Hamlin Co., to W. F. Woolworth, Clear Lake, $16,-510; one 52 ft. and one 30 ft. rein.-con. viaducts, on F.A.P. 196-B, Aurora Co., to Pioneer Bridge Co., Mitchell, $9,59[illegible] 60 ft. rein.-con. viaduct, on F.A.P. [illegible] Brule Co., to Diamond Eng. Co., Grand Island, Neb., $4,380; one 34 ft. and one 66 ft. rein.-con. viaduct, etc. on S.A.P. 35, Perkins Co., to Northwestern Eng. Co., Kadoka, $11,504. Grand total $[illegible] Noted Feb. 25 under "Streets and Roads."

Tex., Carthage — See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

Tex., San Antonio—A. McCloskey, Judge Bexar Co., 2 steel and concrete bridges in Precinct 4, to Lehr & Aiken, 812 Builders Exch. Bldg., $46,543. Noted Jan. 7.

Oklahoma—State Hy. Dept., Oklahoma City, **(e. e. means engineers estimate)** 1 span 88 ft. steel truss bridge on concrete piers at Tonkawa, Kay Co., 30.09 lb. truss steel, 14.98 tons reinforcing, etc. and 18 span 610 ft. creosoted pile trestle bridge at Keno, Harper Co., 116,171 ft. creosoted and 34,063 ft. untreated timber, 7,566 ft. creosoted piling, etc., to Pioneer Constr. Co., Orear-Leslie Bldg., Kansas City, Mo., $18,-721 and $22,517 respectively, e. e. $25,000 each; 2 span 86 ft. rein.-con. trestle bridge on concrete piers, at Yukon, Canadian Co., 10.63 tons I-beam steel and 6.31 tons reinforcing, etc., to Oklahoma Stone Setting Co., 1835 West Main St., Oklahoma City, $24,480, e. e. $25,000; 1 span 114 ft. steel truss bridge on concrete piers near Bristow, Creek Co., 85.93 tons truss steel, 71,-045 lb. reinforcing, etc., to Hamilton Constr. Co., Bartlesville, $30,416, e. e. $32,000; 2 span 220 ft. steel truss bridge on concrete piers near Sayre, Beckham Co., 137.95 tons truss steel, 32.91 tons reinforcing, etc. and 1 span 110 ft. steel truss bridge on concrete piers near Heavener, Le Flore Co., 84.4 tons truss steel, 47,420 lb. reinforcing, etc., to Woodward Constr. Co., Woodward, $33,222 and $29,939 respectively, e. e. $37,-000 and $30,000 respectively. Grand total $159,295. Noted Mar. 11.

Wash., Everett—Snohomish Co., 170 ft. steel bridge with 80 ft. concrete approach at each end over Little Pilchuck River, to Dischaw & Peterson, Stanwood, $25,118. Engrs. est. $27,000. Noted Feb. 11.

California—State Hy. Dept., Sacramento, rein.-con. concrete arch bridge over Doney Creek, 1 mi. south of Antler, Shasta Co., to Bordwell & Zimmerman, Napa, $79,925; one over Bear Creek, at Briceburg, Mariposa Co., to Smith Bros., Eureka, $25,817; one over Slate Gulch, and one over Sweetwater Creek, Mariposa Co., to Noble Bros., San Jose, $19,286 (masonry finish). Grand total $125,028. Noted Mar. 18.

California—State Hy. Dept., Sacramento, completing bridge over San Joaquin River at Mossdale, San Joaquin Co., to Tibbetts-Pacific Co., 16 California St., San Francisco, $87,284.

Dams

Bids Desired

N. C., Highlands—See "Buildings—Industrial."

Railways

Proposed Work

Virginia—Southern R.R. Co., 1300 Penn Ave., Wash., D. C., B. Herman, ch. engr., plans improving railroad from Richmond to Danville, here. $200,000.

Florida—Atlantic Coast Line R. R. Co., Wilmington, N. C., J. E. Willoughby, ch. engr. plans 21 mi. railway from point at or near Thonotosassa in northeasterly direction to point on its west coast main line at or near Dade City, Hillsborough and Pasco Counties, here.

Tennessee—Nashville, Chattanooga & St. Louis R.R. Co., 930 Bway., Nashville, H. McDonald, ch. engr., plans automatic block train signals, electric crossing signals between Nashville and Chattanooga. $450,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

N. Y., Buffalo—Plans cleaning Delaware Park Lake. $300,000. J. Moore, City Hall, comr.

Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

N. J., Jersey City—Bd. Comrs. of Mayor and Aldermen, City Hall, authorized $100,000 bonds, harbor improvements at Droyers Point, Hackensack River. E. J. Holland, city clk.

Wis., Milwaukee—Dept. Pub. Wks., R. Stoelting, comr., soon takes bids dredging various rivers and canals. $50,000.

Ark., Pine Bluff—Sub-District 1 of Salt Bayou D. D., plans 2.25 mi. ditch, 12 ft. bottom width and 6 ft. deep, 61,000 cu.yd. excav. Parkes Eng. Co., Citizens Bank Bldg., engrs.

Tex., Port Arthur — Election in June, $50,000 bonds, excavating and shell revetment, etc., 10,800 lin.ft. north side of Sabine-Neches Canal. W. O. Bower, city engr.

Tex., San Antonio—Making preliminary plans underground river cut-off tunnel, brick and concrete, from Travis to Market Sts. on straight line through S-shape of River Dist. Channel. $300,000. Former plans abandoned. I. Ewig, city engr. Noted Aug. 20.

Ontario—Dominion Government, Parliament Bldgs., Ottawa, plans constructing Welland Ship Canal, $14,000,000; Chambly improvements $55,000, St. Ouis Lock $50,000, Bakers Dam $30,000, Trent Canal $395,100, Welland Canal $123,000; improving harbors of Port Arthur and Fort William $500,000, Parrsboro, N. S. $29,000, New London, P. E. I. $30,000, Escunimac, N. B. $50,000, Metanc $55,000, Goderich $150,000, Oshawa $46,000, and Port Stanley $118,000, Quebec Harbor-Champlain Dock $60,000, St. John, N. B. $225,000, Toronto Harbor $94,000, and Fraser River, B. C. $50,000; new breakwater Drigwall (Aspy Bay), N. S. $48,700, and Grand Harbor, N. B. $25,000; dredging Petit-de-Grat, N. S. $37,500, Riviere du Loup, Que. $54,000, Valleyfield, Que. $50,000, Blind River $27,700, Omar Sound $20,000, Courtney River, B. C. $25,500, and False Creek, B. C. $50,000; new wharf in Sidney, N. S. $75,000; enlarging wharf Mills Point, N. B. $28,000, and Cap-de-la-Madeline, Que. $65,000; reconstructing wharf Chandler, Que. $90,000; dredging and wharf, Midland $75,000; reconstructing Burlington Channel Piers $36,000; repairing piers at Oakville $30,000, and Port Burnell, Ont. $45,800.

Bids Desired

New York—Apr. 14, by T. F. Farrell, comr. Canals & Waterways, 55 Lancaster St., Albany, bank protection along east bank of land line south of Lock 9, Champlain Canal, Sect. 2, Contr. M-15; and new movable dam, at Rocky Rift near Indian Castle, Contr. M-16; adv. E. N.-R. Apr. 1.

New York—Apr. 27, by T. F. Farrell, comr. Canals & Waterways, 55 Lancaster St., Albany, bank protection along Erie Canal from Vischer Ferry to point one mi. east of Frankford, Erie Canal Sects. 1, 2, 3 and 4, Contr. 232; adv. E. N.-R. Apr. 1.

N. Y., Long Island City—Apr. 2, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rip-rap embankment, outside of and adjacent to timber bulkhead along Beach Channel Dr. from Beach 130th to Beach 141st Sts., 5th Ward.

Miss., Sardis—Apr. 10, by Comrs. Sand Bayou D. D. of Panola Co. at office Montgomery & McClure, attys., improving above district.

La., Baton Rouge — Apr. 13, by Comrs. Gravity Drainage Dist. 3, C. W. Flynn, pres., R. F. D. 1, dredging Hurrican Creek, 28,000 cu.yd. excav.

Ill., Pulaski—Apr. 10, by H. Eastwood, C. Curry and I. Lackey, comrs. Briar Creek D. D., 3.25 mi. main ditch with base 6 ft. wide, 31,000 cu.yd. excav., and Laterals 1 and 2, 10,200 cu.yd. excav.

Bids Received

Md., Baltimore — Bd. Awards, Mar. 24, dredging Baltimore Harbor for 1926, for Mayor and City Council, from Arundel Corp., Pier 4, Pratt St., Item 1 $0.48. Noted Mar. 18.

Contracts Awarded

Calif., Aptos — W. I. Morgan, concrete seawall, 2,100 pieces concrete sheet piling 9 and 16 in. diam. of various lengths, 50,000 cu.yd. excav., etc., and 75 x 150 ft. swimming pool, to Blue Line Constr. Co., Standard Oil Bldg., San Francisco, approximately $750,000.

Calif., Richvale — Drainage Dist. 100, Butte Co., to C. Sewell, Gridley, canal improvements, 3 mi. widening from 3 to 4 ft. bottom and deepening 1 ft. $0.12 per lin.ft., and 3 mi. cleaning $0.075. Noted Mar. 11.

Streets and Roads

Proposed Work

N. J., Jersey City—Rejected bids Mar. 16, sheet asphalt paving Colgate, McAdoo, Van Horne and Pine Sts., Van Nostrand, Emerson and Cornelsen Aves. Will readvertise.

N. J., Jersey City—Comm. Streets & Pub. Impvts., M. I. Fagen, comr., plans widening Bergen Ave. from Montgomery St. to Bergen Sq.

N. J., Trenton—Mercer Co. plans widening and penetration macadam paving 3,500 sq.ft. Ewingville-Federal City Rd. $30,000. H. F. Harris, Court House, engr.

W. Va., Charleston—Jefferson Dist. election Apr. 13, $337,000 bonds, improving roads, Kanawha. R. N. Moulton, clk. Kanawha Co.

W. Va., Parkersburg—Election Apr. 6, $500,000 bonds, improving streets and sewers. M. L. Hoffman, city clk.

N. C., Raleigh—Plans widening sewers, waterworks, gas lines and paving 2 mi. Oberlin Rd., etc. C. C. Page, comr. Pub. Wks.

Ga., Hazelhurst—Jeff Davis Co. voted $150,000 bonds, improving various roads. R. H. Ordway, judge. Noted Feb. 11.

Ga., Milledgeville—Plans election $25,000 bonds, improving various streets.

Ga., Toccoa—Stephens Co. voted $200,000 bonds, constructing roads. Noted Mar. 4.

Ala., Auburn—Soon takes bids sidewalks and paving various streets. $75,000. C. S. Yarbrough, mayor.

Miss., Amory — S. A. Grady, mayor and Bd. Aldermen, rejected bids Mar. 5, improving various streets, 13,355 sq.yd. bituminous surfacing 8,004 sq.yd. prepared subsoiling and 5,900 ft. concrete sidewalks, etc. Will readvertise. A. L. Dabney, Columbian Tower Bldg., Memphis, Tenn., engr.

Miss., Pontotoc—Pontotoc Co. soon takes bids grading, gravel surfacing, etc., 9 mi. Federal Aid Project 182, 18 ft. $120,000. H. C. Dietzer, Jackson, engr.

Miss., Starkville—Oktibbeha Co. defeated $450,000 bonds, improving roads. Further action deferred. Noted Feb. 25.

La., Lake Charles—Calcasieu Parish election Apr. 27, $400,000 bonds, improving road system in Wards 2, 3, 7 and 8.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 6 mi. Mont Eagle-Coffee Co. line Rd., Grundy Co., and 3.5 mi. Knoxville-Southern R.R. Yards Rd, Knox Co. C. N. Bass, highway comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans improving 15 mi. Greenville-Bulls Gap Rd., Greene Co.; 15 mi. Ridgely-Kentucky State line Rd., Lake Co.; 12 mi. Union City-Martin Rd., Obion Co.; and 15 mi. Springfield-Kentucky State Line Rd., Robertson Co. C. N. Bass, highway comr.

Tenn., Altamont—Grundy Co. and State Dept. Highways & Pub. Wks., Nashville, take bids probably in May, improving 6 mi. Hillsboro-Pelham-Mont Eagle Rd. Work will be done under supervision highway dept.

Tenn., Huntington—Carroll Co. election probably in April, bonds to exceed $25,000, improving Huntington-McKenzie, Huntington - McLennville, Huntington - Clarksburg and Huntington-Jackson Rds.

Ohio—Dept. Highways & Pub. Wks., cancelled bids which were to be opened Mar. 19, grading, paving, etc., Sect. "N" Zanesville-Cincinnati Rd., Muskingum Co., and Sect. "Fultonham" same road; also Sect. "A-1" Van Wert-Ottawa Rd., Van Wert Co., and Sect. "A-2" same road. Noted Mar. 11.

O., Columbus—Made plans grading, curbing and paving with (a) brick (b) concrete (c) asphalt (d) durox, 1,335 ft. Columbian Ave., 26 ft., (a) $55,075; 300 ft. alley west of Hawkes Ave., 16 ft., (b) $3,022; 520 ft. Keifer Ave., 24 ft., (a) $8,543 (c) $7,618; 415 ft. alley west St. Clair Ave., 16 ft., (b) $2,807; 280 ft. Spring St., 46 ft., (a) $8,230; 485 ft. alley west of Avondale Ave., 16 ft., (b) $3,334; 731 ft. alley west of 22nd St., 15 ft., (b) $7,698; 4,371 ft. Walhalla Rd., 41 ft., (c) $76,049; 2,700 ft. Washington Ave., 30 ft., (c) $33,911; and 315 ft. alley north Main St., 23½ ft., (d) $4,832. R. H. Simpson, city engr.

O., Jackson — Made plans curbing, guttering and vitr. brick paving 3,600 ft. Church St. from Main to South Sts. $27,000. Address City Engineer.

O., Marietta—Made plans curbing, grading and 3½ in. vitr. brick on concrete paving 1,270 ft. Putnam St., 36 ft. $28,000. Address City Engineer.

Ind., Indianapolis — Bd. Comrs. Marion Co., Courthouse, rescinded contract improving 46th St., Washington Twp. Project abandoned. Noted Mar. 25.

Ill., Decatur—Plans grading, curbing and vibrolithic paving East Grand St. from Jasper to 1st Sts., $16,949; and grading, curbing and asphalt paving East Sedgwick St. from Jasper to 1st Sts., $17,989. M. P. O'Brien, City Hall, engr.

Ill., East Moline—Soon takes bids concrete paving 18,000 sq.yd. various alleys, $48,104; also 979 ft. 8 in. sewers and 6 in. water pipe, $4,870. F. O. Lovens, city clk.

Ill., East St. Louis — Soon takes bids grading, curbing and 8 in. concrete paving 19,060 sq.yd. Winstanley Ave. and 11th St. $89,400. W. McK. Brown, City Hall, engr. Noted Mar. 11.

Ill., East St. Louis — Soon takes bids grading and concrete or asphalt paving 75th St. from State St. to Church Lane, 46th St. from Caseyville to Lincoln Sts. and North High St. $91,200. W. McK. Brown, City Hall, engr. Noted Jan. 7 and Mar. 18.

Ill., East St. Louis—Made plans grading, curbing and concrete paving 33rd St. $36,000; Belleview Ave. $65,000; and College Ave. to Belmont on 37th Sts. $13,600. W. McK. Brown, City Hall, engr.

Ill., Lombard—Takes bids about May 18, grading, curbing and Warrenite bitulithic or concrete paving streets in Cambridge Manor Dist. G. H. Deuchler, 53 South La Salle St., Aurora, engr.

Ill., Rockford — Plans grading, curbing and Warrenite or macadam paving 9 blocks Grant Ave., 29 ft., $55,470; also grading, curbing and rein.-con. paving 10 blocks Nelson Blvd., $75,500. B. C. Harvey, City Hall, engr.

Ill., Rushville—Schuyler Co. plans grading and rein.-con. paving 3 mi. Camden Rd., State Aid Rd. 5-15-D, Buena Vista Twp., 18 ft. $75,000. W. S. Henderson, Court House, supt. highways.

Ill., Vandalia—Making preliminary plans grading, curbing and concrete paving 12 blocks 7th and South Sts., 30 ft. $70,000. State will pay for center 18 ft., and city balance. J. C. Waddell, City Hall, engr.

Ia., Burlington—Des Moines Co. election Apr. 12, $1,100,000 bonds, surfacing, paving, etc., primary road system. C. E. Waterhouse, Burlington, co. engr.

Ia., Ottumwa—Wapello Co. voted $1,000,000 bonds, improving primary road system. H. E. Hansell, Ottumwa, co. engr. Noted Mar. 4.

Ia., Sigourney — Keokuk Co. called off bond election for $1,250,000 bonds, improving various roads. R. C. Fye, Court House, engr. Noted Mar. 18.

Mo., Kansas City—Jackson Co. making plans improving approximately 2 mi. road. To exceed $25,000. L. E. Koehler, Kansas City, co. engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making plans concrete paving, etc., Baden St. between Bway. and Church Rd. $9,800, Cologne St. between Wilcox and Humboldt Sts. $3,150, and Dresden Ave. between Wilcox and Humboldt Sts. $3,900; Warrenite bitulithic paving, etc., Sublette Ave. between Arsenal and Elizabeth Sts. $47,200; concrete or asphaltic concrete or amiesite paving Delor St. between Brannon and January Sts. $34,500-$37,000; Warrenite bitulithic, amiesite or concrete paving Alsace St. between Marcus and Euclid Sts. $27,600-$29,300, Fillmore St. between Colorado and Grand-Kingshighway $26,500-$26,600, Robert St. between Virginia and Vermont Sts. $6,550-$6,600, Pennsylvania St. between Steins and Haven Sts. $53,800-$53,900; Warrenite bitulithic, asphaltic concrete or asphalt paving, etc., Beck St. between Oak Hill and Missouri St. $13,900-$14,000, Bates St. between Gravois and Eichelberger Sts. $14,200-$14,300, Odell St. between Watson Rd. and Clifton St. $9,700-$9,750; and asphaltic concrete, asphalt or amiesite paving, etc., Lea Pl. between Lea Ave. and end of street $3,900-$4,350. W. W. Horner, 300 City Hall, engr.

Ark., El Dorado—Union Co. takes bids about May 1, grading, gravel surfacing, etc., 20 mi. El Dorado-Magnolia Highway, 18 ft.; also gravel surfacing Strong-Huttig Rd. G. S. Tatum, co. judge.

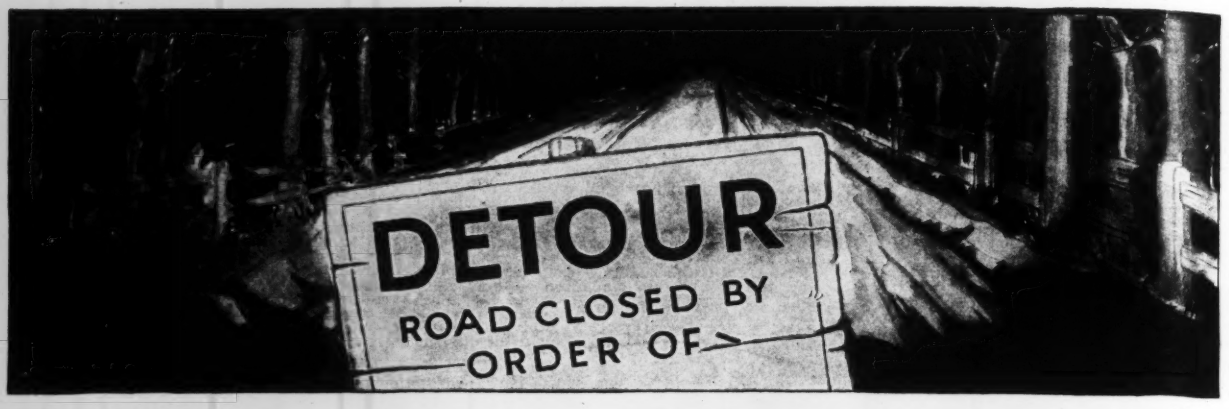
Tex., Clarendon—Takes bids about Apr. 12, paving approximately 40,000 sq.yd. various streets. $175,000. F. E. Devlin, 614 Bitting Bldg., Wichita, Kan., engr.

Tex., Galveston—Making plans and soon takes bids curbing, guttering and concrete or asphalt paving Bway. from 39th St. to city limits. $250,000. C. A. Holt, Jr., city engr.

Tex., Houston—Harris Co. voted $6,000,000 bonds improving 236 mi. roads. Noted Feb. 18.

Tex., Kountze—Hardin Co. plans gravel surfacing and bridging 1.8 mi. Highway 8 between Silsbee and Buna, 18 ft. $50,000. G. R. Abney, Lufkin, div. engr.

Tex., Lubbock — Election soon $30,000 bonds, hard paving Ave. 1, from 14th and 19th Sts. Address S. T. Davis, mayor.



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DON'T think of detours merely as exasperating inconveniences—think of them as *leaks in your community's pocketbook.*

The toll they take of your time, your gasoline, your tires and your car's mechanism is only a small part of their cost. The big burden—and usually a needless one—is the heavy cost of the repairs that are being made.

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Streets and Roads (Continued)

Tex., Marlin — Falls Co. making plans grading, bridging and gravel surfacing 2.06 mi. Highway 108, Lateral south, $26,000; and 5.56 mi. Highway 108, State Aid Project 670-B, $46,000. V. B. Harris, Rosebud, engr.

Tex., Olney—Voted $25,000 bonds, paving various streets. Engineer not selected.

Tex., San Benito—Election Apr. 6, $75,-000 bonds, paving various streets. R. T. Collins, city secy.

Tex., Sherwood—Irion Co. election soon $40,000 bonds, grading, bridging, etc., 6 mi. Highway 99. Address W. P. Rutledge, Sherwood, co. judge.

Tex., Texarkana — Heilbron Investment Co., making preliminary plans permanent paving 72,000 sq.ft. street Beverly Heights. $250,000.

Tex., Tyler—Voted $50,000 hardsurfacing various streets. A. B. Curtis, city secy. Noted Feb. 25.

Oklahoma — State Hy. Dept., Oklahoma City, made surveys grading, etc. 11 mi. Hobart-Cordell Rd., 30 ft., Kiowa Co. $35,-000. J. M. Page, highway engr.

Okla., Vian — Making preliminary plans grading, curbing and concrete paving 8,400 sq.yd. Main St. $25,000. H. C. Hart, city clk. Engineer not selected.

Wash., Mt. Vernon—Comrs. Skagit Co. take bids about Apr. 15, concrete paving 1 mi. Permanent Highway 11, 16 ft. R. E. Knapp, Mt. Vernon, engr.

Wash., Seattle — Bd. Pub. Wks., rejected bids Feb. 26, concrete paving, etc., 32nd Ave. N. W. et al. $100,000. Will readvertise. J. D. Blackwell, city engr. Noted Mar. 25.

Calif., Bakersfield—Made plans improving Humboldt St. between Kern and Union Aves., 126,392 sq.ft. 1½ in. Warrenite on 3½ in. asphaltic concrete paving, 126,392 sq.ft. grading, concrete guttering, etc. To exceed $35,000. W. D. Clarke, city engr.

Calif., Newport Beach—Made plans curbing, guttering, walks, macadam and concrete paving, etc., Carnation, Acacia, Fernleaf Aves., etc. To exceed $250,000. P. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., San Diego—San Diego Co. made plans improving Armada Terrace, 6,844 lin. ft. cement curbing, 17,819 cu.yd. excav., 13,-788 sq.yd. 5 in. concrete paving, etc. F. A. Rhodes, City Hall, engr.

Calif., San Francisco—Made plans improving 31st St. between Vicente and Wawona Sts., 4,710 cu.yd. cut, 1,561 cu.yd. fill, 1,955 lin.ft. concrete curbing, 1,873 sq. ft. stone walks, 1,080 lin.ft. 8- to 15-in. ironstone sewer, etc. $25,000. M. M. O'Shaughnessy, city engr.

Ont., Toronto — City Council plans asphalt and concrete paving Glen Manor Dr. $27,486, Heath St. E. $3,757, Hammersmith Ave. $26,546, Selwood Ave. $7,916, Bonfield Ave. $8,042, and Briggs Ave. $1,474; concrete paving lane first west of Dovercourt Rd., $7,491; also bitulithic on concrete paving Hubbard Blvd., $27,175. R. C. Harris, City Hall, engr.

Ont., Toronto — East York Twp. plans curbing, guttering, asphalt on concrete paving 300 ft. Woodycrest Ave., 28 ft. $7,230; concrete curbing and 5 ft. concrete sidewalk, on 615 ft. Woodbine Ave., $1,530; grading Don Valley Dr. and Hillside Crescent, $26,000. G. R. Jack, 443 Sammon Ave., engr.

Ont., Toronto—York Twp. plans bitulithic or asphalt on concrete paving Rushton Rd. Cherrywood, Asbury, Amherst, Blandford, Cedric, Holland Park, Robina, and Rochvale Aves. $50,000. F. B. Goedike, 40 Jarvis St., engr.

Bids Desired

R. I., Warwick — Apr. 3, by Metropolitan Park Comn., State House, Providence, constructing Narragansett parkway from Spring Green Rd. to Bayside Ave. $75,000. State Engineer, State House, Providence, engr.

New York—Apr. 20, by A. W. Brandt, comr. highways, 55 Lancaster St., Albany, reconstructing roads in Chemung, Dutchess, Erie, Jefferson, Madison, Oneida, Ontario, Saratoga, Seneca and Steuben Counties; improving highways in Albany and Washington Counties; adv. E. N.-R. Apr. 1.

N. Y., Brooklyn—Apr. 7, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, permanent asphalt paving Pierrepont St. and Utica Ave.; granite on 6 in. concrete paving Myrtle Ave.; asphalt resurfacing by heater method, Park Pl., Bond, Macon, and Pacific Sts., Classon, Rochester, South Portland, Washington and Willoughby Aves.; also roadways in various streets damaged by subsurface work, etc.

N. Y., Fine—Apr. 15, at office T. Holahan, 164 Lewis St., Rochester, completing. State Highway Contr. 8175, from here to Star Lake, St. Lawrence Co.; adv. E. N.-R. Apr. 1.

N. Y., Long Island City—Apr. 2, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and sidewalks on 74th St. (17th St.); grading and restoring bituminous macadam paving over trenches opened for laying watermain in Rockaway Beach Blvd., Beach 142nd, 144th and 149th Sts.; bituminous on granite block paving Beach 95th St.; repairing sheet asphalt paving in 1st and 2nd Wards.

N. Y., New York—Apr. 8, by W. J. Flynn, acting pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., curbing and asphalt block on concrete repaving East 167th St.; sheet asphalt and granite block on concrete repaving Bergen and St. Anns Aves.; granite block on concrete paving Kingsbridge Rd., East 163rd and East 149th Sts., St. Anns and Odgen Aves.

N. Y., Poughkeepsie—Apr. 6, by Bd. Pub. Wks., Eastman Park Mansion, grading, curbing and 2 in. sheet saphalt on concrete paving 27,600 sq.yd. various streets. T. F. Lawlor, supt.; adv. E. N.-R. Apr. 1.

New Jersey — Apr. 12, by State Hy. Comn., Trenton, grading and rein.-con. paving 23,006 sq.yd. road from Pensauken Creek to Union School House Rd., Route 2, Sect. 9, Camden Co.; and grading road from Hackensack to Rutherford, Route 17, Sect. 1, Bergen Co. A. L. Grover, secy.; adv. E. N.-R. Apr. 1.

N. J., Freehold — Apr. 21, by Bd. Freeholders Monmouth Co., Courthouse, concrete paving Red Bank-Holmdel Rd. 44, Sect. 2, Middletown and Holmdel Twps. G. K. Allen, 60 Broad St., Red Bank, co. engr.; adv. E. N.-R. Apr. 1.

N. J., New Providence—Apr. 2, by Twp. Com., Columbia School, Plainfield Ave., grading and bituminous macadam on macadam paving 16,600 sq.yd. Plainfield Ave. J. J. Kentz, 23 Maple St., Summit, twp. engr.

N. J., Newark—See "Sewers."

N. J., Roselle—Apr. 2, by Boro Council, Boro Hall, grading, curbing and asphaltic concrete on concrete paving approximately 500 lin.ft. Golf Terrace, 800 lin.ft. 7th Ave., 1,300 lin.ft. Amsterdam Ave., 500 lin.ft. Olga Pl., 1,950 lin.ft. Morris St., 1,850 lin. ft. Frank St., 700 lin.ft. Galvin Ave., 1,100 lin.ft. Thompson Ave., 750 lin.ft. Hamilton Ave., 200 lin.ft. 10th Ave., 680 lin.ft. Spruce St., and 1,720 lin.ft. Warren St., W. M. Van Wagner, boro engr.

N. J., Union — Apr. 5, by Twp. Com., W. W. Friberger, clk., Town Hall, tarvia B, on several streets in Union Co.

Pennsylvania — Apr. 20, by State Hy. Dept., Harrisburg, grading or rein.-con. paving, etc. approximately 32 mi. eleven projects in Allegheny, Berks, Clarion, Dauphin, Franklin, Jefferson, Mifflin, Montgomery, Susquehanna, Tioga and Westmoreland Counties. W. H. Connell, engineering executive and deputy secy. Highways; adv. E. N.-R. Apr. 1.

Pa., Waynesburg — Apr. 3, by Comrs. Greene Co., rein.-con. paving, etc., 7,283 ft. Waynesburg-Blackville Rd., 16 ft., Wayne Twp. R. I. Lemley, co. clk.

Virginia—Apr. 15, by State Hy. Comn., Richmond, improving roads on Projects S-323-D, F-419-A, F-421-A and S-441; adv. E. N.-R. Apr. 1.

West Virginia—Apr. 20, by State Road Comn., Charleston, improving roads and bridges on Projects 154-A, 3038, 3039, 3177 and 128, Fayette Co.; Project 3235-C, Pocahontas Co.; Project 3295, Kanawha Co.; Projects 3250, 3315, 87, 2037 and 2038, Mason Co.; Project 3303-B, Mingo Co.; Projects 2063, 2064 and 2065, Ohio Co.; Projects 126, 151-A-1, and 151-A-2, Preston Co.; Project 3368, Webster Co., Project 70-R, Grant Co.; Project 3192, Morgan Co.; Project 152, Randolph Co.; Project 3277-D, Upshur Co., and Project 3266-D, Ritchie Co. E. B. Carskadon, secy.; adv. E. N.-R. Apr. 1.

N. C., Durham—Apr. 9, by City, grading, curbing, paving, etc., various streets. R. W. Rigsby, city mgr.; adv. E. N.-R. Apr. 1.

Ga., Dalton—Apr. 5, by City, paving 0.5 mi. various streets. $25,000.

Fla., Tampa—Apr. 6, by City Comrs., P. Wall, mayor, concrete or granite curbing, 2½ in. asphalt block or vitr. brick on rock or shell surfacing 10,000 sq.yd. portion Clark St., Impvt. 60, $26,000; 10,000 sq.yd. Chapin St., Maple and Hemlock Aves., Impvt. 57 to 59 (inclusive), $28,000; 9,000 sq.ft. Flagler, Oakwood and Elmwood Aves., Impvts. 54 to 56 6(inclusive), $28,-000; 58,000 sq.yd. portion Flo Ave., Impvt. 1, $150,000; 8,000 sq.yd. Fuller St. and Mass Ave., Impvts. 2 and 4, $25,000; 9,000 sq.yd. Impvts. 5 to 9 (inclusive), $25,000; 9,000 sq.yd. Kriber St., etc., Impvts. 15, 166, 21 and 51, $25,000; 9,000 sq.yd. portion 22nd St. and Saxon Ave., Impvt. 52 and 61, $30,000; and 10,000 sq.ft. portion 22nd St., Impvt. 53, $28,000. R. D. Martin, City Hall, engr.

Fla., Tampa—Apr. 9, by W. T. Williams, chn. Comn. Hillsborough Co., 26,311 sq.yd. lime rock base slag surface treating portion Armenia Ave. $25,000.

Ala., Florence—May 1, by City Comn., asphalt on concrete paving 25 blocks various streets in business section. 40 to 80 ft. $141,000. Address City Engineer.

Ala., Mobile—Apr. 28, by Bd. City Comrs., curbing, guttering, sewers and paving various streets. W. Smith, city engr.; adv. E. N.-R. Apr. 1.

Miss., Gulfport—Apr. 6, by E. McManus, city clk., City Hall, improving 10,400 ft. Beach Blvd. and Porter Ave., 1,000 cu.yd. new shell, 200 tons binder mixture, 300 ft. 12 in. and 300 ft. 15 in. pipe, 4,622 sq.yd. 2 in. Warrenite paving and 20,800 sq.yd. seal coating and penetration shoulder. A. J. Hawkins, Gulfport, engr.

Louisiana—Apr. 8, by State Hy. Comn., Baton Rouge, graveling 3.14 mi. New Hope-Good Hope Rd., State Project 533, St. Charles Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

La., Houma—Apr. 14, by Mayor and Bd. Alderman, hardsurfacing approximately 12,500 sq.yd. Main St. from Railroad Ave. to Magnolia Cemetery. D. Angers, city clk.

O., Canton—Apr. 15, by Comrs. Stark Co., concrete or macadam paving 1 mi. Bolton-Marlboro Rd., 16 ft. $30,000-$35,-000. A. M. Wise, Canton, engr.

O., Cincinnati—Apr. 5, by Director Pub. Wks., granite curbing, cement sidewalks, granite block paving 3,800 sq.yd. Plum St. $63,812. C. O. Sherrill, City Hall, engr.

O., Cincinnati—Apr. 9, by Comrs. Hamilton Co., grading and concrete paving 12,-000 sq.yd. North Bend Rd. from Burnt School House Rd. to Yogel Rd. $41,721, and 22,575 Camargo Rd. from corporation line of Maderia to Allendale, $96,516; and tar bound macadam paving 29 400 sq.yd.section road from Cincinnati-Dayton Pk. to Cincinnati-Zanesville Pk., $70,230. E. A. Gast, Court House, engr.

O., Upper Arlington (Columbus P. O.)— Apr. 7, by N. W. Copeland, village clk., improving various roads, 67,000 cu.yd. excav., 46,000 sq.yd. sheet asphalt, 6,000 sq.yd. penetrating macadam, 3,700 lin.ft. curb and gutters, 775 lin.ft. intersection edging, 5,000 lin.ft. 6 x 24 edging, 5,700 lin.ft. 12 in. sewers, 2,600 lin.ft. 15 and 20 in. storm sewers, 21,250 ft. 4- to 15-in. c.i. pipe, etc. $350,000. D. B. Sayers, 52 West Gay St., Columbus, engr.

Indiana—Apr. 14, by State Hy. Comn., Indianapolis, bituminous paving 52.07 mi. roads in Marion, Johnson, Henry, Union, Wayne, and Delaware Counties, Contr. 64, 65.81 mi. in Wells, Allen, Dekalb, Steuben, Grant, Wabash, Kosciusko, Elkhart and Adams Counties, Contr. 65, 15.44 mi. in Montgomery, Boone and Clinton Counties, Contr. 68; bituminous macadam topping and bituminous surface treating 51.88 mi. in Porter, Lake, Laporte, Starke, Cass, Carroll, Marshall and St. Joseph Counties, Contr. 66, 49.332 mi. in Floyd, Dearborn, Harrison, Lawrence, Monroe, Clark and Jefferson Counties, Contr. 69, and 8.4 mi. in Orange Co., Contr. 70. J. D. Williams, dir.

Ind., Anderson—Apr. 15, by Comrs. Madison Co., concrete paving, etc., 1¼ mi. West 22nd St. from Meridian St. to Arron Ave., 20 ft., $39,000; 1¼ mi. Cross St., North Anderson, 20 ft., $47,000; 1⅛ mi. 19th St. from Locust to Columbus Sts., 28 ft., $63,-000; and 1¼ mi. West 9th St. from Madison to Raible Sts., 20 ft., $40,000. M. H. Steele, Court House, engr.

Mich., Fordson—Apr. 13, curbing, 8 in. concrete paving, etc., 57,025 sq.yd., six streets. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, consult. engrs.; adv. E. N.-R. Apr. 1.

Mich., Holland—Apr. 7, by City, grading and 1½ in. sheet asphalt on 6 in. macadam paving 43,830 sq.yd. various streets. J. Zuidema, city engr.

Ill., Chicago—Apr. 7, at office Bd. Local Impvts., Room 207, City Hall, West 105th Pl., North Lotus, Potomac, Wabansia, South Irving, South Oakley, South Claremont, Thorndale, North Mason, Markham, North Lamon, LaCrosse, Laporte, North Lavergne, Montrose, South Winchester, and South California Aves., East 41st, West 103rd, 104th and 105th, North Robey, South State, West 63rd, West 70th, South Horne, South Lincoln, West 80th, 81st, 82nd and 83rd Sts. and various alleys. J. J. Sloan, pres.

Wis., Oconomowoc—Apr. 17, by Bd. Pub. Wks., M. E. Keats, city clk., concrete paving 10,260 sq.yd, 2nd St. To exceed $25,000. J. A. Stemper, City Hall, engr.

Wis., Racine—Apr. 3, by H. A. Nelson, comr. Pub. Wks., curbing, guttering and paving 46,907 sq.yd. 7 streets; also concrete curbing and guttering 9,107 lin.ft. curbing and guttering on various other streets. J. Beaugrand, City Hall, engr. Noted Feb. 18.

Wis., Shorewood (Milwaukee P. O.)— Apr. 5, by T. B. Olson, village clk., concrete

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Streets and Roads (Continued)

paving, etc. 21,000 sq.yd. various streets. H. A. Schmidt, village engr.

Wis., Tomahawk—Apr. 8, by H. G. Bell, city clk., vibrolithic, concrete, brick or sheet asphalt paving 37,060 sq.yd. 5th St., Tomahawk and Wisconsin Aves. E. B. Parsons, 419 North Washington St., Watertown, engr. Noted Mar. 4.

Wis., West Bend — Apr. 7, by H. W. Vroman, div. engr. at Office 2, 444 Milwaukee St., Milwaukee, improving South Germantown-West Bend Rd., Federal Aid Project 352-B, Washington Co., 31,595 cu.yd. earth, 750 cu.yd. loose, and 991 cu.yd. solid rock excav., 1,184 cu.yd. borrow, 49,787 sq.yd. concrete surfacing, etc. J. T. Donaghey, Madison, ch. engr.

Iowa—Apr. 6, by State Hy. Dept., Ames, grading 5.69 mi. Austinville Rd., Butler Co., 4.58 mi. Chariton Rd. Lucas Co., 4.59 mi. Council Bluffs Rd. Pottawattamie Co., and 0.419 mi. Indianola Rd. Warren Co. gravel surfacing 5.42 mi. Northwood-Lake Mills Rd. Worth Co., 11.38 mi. Manly Rd. Worth Co., 8.563 mi. Oelwein-Brewer Co. line Rd. Fayette Co., 1.34 mi. Nashua Rd., Chickasaw Co., 5.02 mi. Floyd Co. line-New Hampton Rd., both Chickasaw Co., 9.19 mi. Boxholm Rd., Boone Co. and 14.59 mi. Indianola Rd. Warren Co. F. R. White, ch. engr.

Ia., Keokuk — Apr. 12, by City Clerk, Warrenite bitulithic or sheet asphalt on present macadam surfacing 15,080 sq.yd. North 10th St. $32,000. F. W. Maxwell, City Hall, engr. Noted Mar. 5.

Ia., Waterloo — Apr. 5, at office Auditor Black Hawk Co., grading 5.53 mi. secondary road, incl. 17,000 cu.yd. excav., etc. W. D. Johnson, Waterloo, co. engr. Noted Jan. 29.

Minn., Elbow Lake—Apr. 6, by C. M. Nelson, aud. Grant Co., grading, etc., 98,319 cu.yd. Job 2601, State Rd. 14, and 97,117 cu.yd. Job 2602, State Rd. 15. $45,000. State Hy. Dept., St. Paul, engrs.

Minn., Minneapolis — Apr. 19, by A. P. Erickson, aud. Hennepin Co., widening and asphaltic concrete resurfacing 4 mi. Highway 7 between Wayzata-Minnetonka Beach. $136,000.

Minn., Moorhead — Apr. 5, by R. G. Price, city clk., paving, etc. 11 blocks 11th St. $50,000. Luckey-Miller Co., Moorhead, engrs. Noted Jan. 7.

Kan., Wichita—Apr. 9, by Sedgwick Co., grading 0.237 mi., 3 deck girder and 3 multiple box span bridges on Federal Aid Project 326-B.

Neb., Omaha—Apr. 6, by J. P. Hoctor, city clk., asphalt, asphaltic concrete, stone block, vitr. brick, vitr. brick block, creosoted wood block, artificial stone or Class A macadam paving, etc. Dists. 2184, 2424, 2708, 2783, 2813, 2864, 2865, 2874, 2896, 2903, 2905, 2920, 2933, 2942, 2943, 2951, 2959, 2986, and 2961. H. Beal, city engr.

Neb., Wolback — Apr. 7, by J. Sawicki, paving, etc. 8,920 yd. various streets. $39,200. H. A. Davis, Crete, engr.

North Dakota — Apr. 13, by State Hy. Dept. and Comrs. Adams Co., Court House, Hettinger, grading, etc., 0.139 mi. Federal Aid Project 243-C. C. Christensen, highway comr.

North Dakota—Apr. 14, by State Hy. Dept. and Bd. Comrs. Slope Co., Court House, Amidon, grading, etc., 9.756 mi. Federal Aid Project 220-B. C. Christensen, highway comr.

North Dakota — Apr. 15, by State Hy. Dept. and Comrs. Grant Co., Court House, Carson, grading, etc., 6.447 mi. Federal Aid Project 276-B. C. Christensen, highway comr.

Tex., Baird—Apr. 13, by V. G. Gilbert, judge Callahan Co., clearing, grubbing, sidewalks, bridging and grading 3.206 mi. Highway 23, State Aid Project 655-C, 26 ft. $66,000. G. E. Franklin, Eastland, engr.

Tex., Brownsville — Apr. 16, by O. C. Dancey, judge Camden Co., grading and bridging 24.412 mi. State Highway 100, State Aid Project 647, 26 ft. $68,000. W. O. Washington, Brownsville, co. engr.

Tex., Floydada—Apr. 19, by City, curbing, guttering and paving various streets. E. W. Gantt Co., 1116-18 West Main St., engrs.; adv. E. N.-R. Apr. 1.

Tex., Sherman—Apr. 5, by J. E. Ellington, city mgr., paving various streets. $40,-000. Private plans.

Okla., Hobart—Apr. 5, by C. R. Williams, clk., grading, curbing and concrete paving 12,760 sq.yd. $41,864. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr. Noted Jan. 21.

Colorado—Apr. 5, by State Hy. Dept., Denver, grading, paving, etc., 0.263 mi. State Project 904-B, Arapahoe Co., 7.565 mi. Federal Aid Project 287-B, Weld Co., 0.3229 mi. Federal Aid Project 272-C, Pueblo Co., 6.662 mi. Federal Aid Project 2-R, Constr. Div. 4, Las Anmas Co., 0.3598 mi. Federal Aid Project 290-B and 169-R, Bent Co.; also 324 ft. timber bridge over Middle Bijou Creek, on State Project 569, Arapahoe Co. L. D. Blauvelt, state engr.

Washington—Apr. 13, by State Hy. Dept., Olympia, **(S. R. means State Road and F.A.P. means Federal Aid Project)**, grading, etc. 214,000 cu.yd. Kettle Falls-Barstow Rd., F.A.P. 154-A, Ferry Co.; grading, concrete paving, etc. 55,000 sq.yd. S. R. 2, Cashmere-Dryden Rd., F.A.P. 149-A, Chelan Co. and 72,000 sq.yd. S. R. 5, F.A.P. 159-A, Pierce Co.; also crushed rock resurfacing 6,300 cu.yd. S. R. 8, Klickitat Co. J. W. Hoover, ch. engr.

Wash., Ellensburg — Apr. 8, by Comrs. Kittitas Co., crushed rock surfacing, etc., 6.5 mi. Permanent Highway 12. W. T. Bowman, Ellensburg, engr.

California—State Hy. Comn., Sacramento, taking new bids concrete widening 2.1 mi. between Borden and Madera. Former bids rejected. R. M. Morton, Forum Bldg., Sacramento, highway engr. Noted Feb. 18.

California—Apr. 12, by State Hy. Dept., Sacramento, concrete widening and asphaltic concrete surfacing 7.8 mi. road between Modesto and Stanislaus River, Stanislaus Co.; also grading and crushed stone or gravel surfacing 4.5 mi. road between Dog Creek and La Moine, Shasta Co. R. M. Morton, Forum Bldg., highway engr. Noted Mar. 11.

Calif., Oakland — Apr. 12, by Supervs. Alameda Co., improving Washington Ave. between San Leandro and San Lorenzo, 5,700 cu.yd. grading, 321,000 sq.yd. gravelling and sub-grading, 292,000 sq.ft. 2 in. Warrenite bituminous on 6 in. concrete surfacing, or 2 in. asphaltic concrete surfacing, etc. To exceed $115,000. G. A. Posey, Oakland, co. surv.

Calif., Salinas—T. P. Joy, clk. Monterey Co., taking bids grading and graveling San Lucas-Coalinga Lateral in Priest Valley. To exceed $25,000. H. Cozzens, Salinas, co. surv. Noted Feb. 4.

Calif., San Diego — Apr. 12, by Common Council, improving Collier, Arizona Sts., etc., 227,367 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete surfacing, 300 lin.ft. concrete curbing, 8, 467 sq.ft. concrete sidewalk, five 4 in. and five 6 in. concrete sewer laterals, etc.; Oregon St. and University Ave., 120,551 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete surfacing, 37 lin.ft. concrete curbing, 422 sq.ft. concrete sidewalk, etc.; and Dale St. between Juniper and Beech Sts., 149,996 sq.ft. 1½ in. asphaltic concrete on 5 in. concrete surfacing, 81 sq.ft. concrete sidewalk, 42 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr. Noted Feb. 18 and Jan. 14.

Calif., Santa Monica—City Council taking bids grading, curbing and Warrenite-bitulithic paving 426,131 sq.ft. Colorado Ave. between 14th St. and northeast city limits. H. B. Carter, city engr. Noted Feb. 25.

Calif., San Rafael—Supervs. Marin Co., taking bids improving Point San Pedro Rd., 643 cu.yd. grading, 1,783 cu.yd. fill, 113,934 sq.ft. 5 in. asphalt, or concrete paving, etc.; also Santa Venitia Rd., 302 cu.yd. excav., 1,521 cu.yd. fill, 139,360 sq.ft. 5 in. concrete and 4 and 5 in. asphaltic concrete paving, etc. J. C. Oglesby, San Rafael, co. surv. Noted Mar. 25.

Ont., Beaverton—Apr. 5, by D. J. Kean, engr., Whitby, or G. Yule, clk., macadam, concrete or asphalt paving 1½ mi. various streets, here, for Village. $25,000.

Bids Received

N. Y., New York—W. J. Flynn, acting pres. Bronx Boro, Crotona Park, Tremont and 3rd Aves., Mar. 26, from C. D. Beckwith, 2875 Bway., sheet asphalt paving Bryant Ave. $11,095, Rochambeau Ave. $24,966, and East 210th St. $29,980, bituminous concrete paving Garden St. $4,277, and grading Miriam St. $8,441; from Asphalt Constr. Co., 208 Bway., sheet asphalt paving Walton Ave. $40,930, East 205th St. $29,991, granite block paving Fordham Rd. $37,968, and Tremont Ave. $46,105; from S. Nugent, 285 West 205th St., grading West 174th St., $32,536; and from L. Di Minna, 2366 Lorillard Pl., granite block paving Bronx St., $22,216. Noted Mar. 25.

N. J., Freehold—Monmouth Co., 250,000 gal. lignin binder on various roads, from M. R. Young, 34 Fisher Pl., Trenton, $30,-500. Noted Feb. 18 under "Materials."

Pennsylvania—State Hy. Dept., Mar. 23, **(R. means Route and A. means Application)**, one course rein.-con. paving 14,300 ft. A. 3855, Dauphin Co., from Swanger & White, 2nd and Canal Sts., Lebanon $100,-844, 4,982 ft. A. 3582, Lebanon Co., from Davis & Andrew, 520 Central Trust Bldg., Altoona $34,813, 32,279 ft. R. 492, A. 3543, York Co., and 2,965 ft. R. 44, A. 3933, Adams Co., from W. G. Raub Co., Red Lion $227,355 and $19,338 respectively, 33,-267 ft. R. 538, Sect. 1, Allegheny and Beaver Counties, from Russell Bros., Route 5, Youngstown, O. $430,043, 20,660 ft. A. 3001-3835, Chester Co., from G. I. Thompson Co., Clearfield $143,350, 28,220 ft. A. 2816-3363-4033, Bedford Co., from Winters Constr. Co., 212 West Main St., Butler $227,496, 17,147 ft. A. 3656-3657, Fayette Co., from Pratt & Moore, Inc., Hollidaysburg $127,284, 9,328 ft. A. 3642, Beaver Co., from D. W. Challis & Sons, Inc., 420 Centenial Ave., Sewickley $67,810, 4,337 ft. R. 118, Sect. 5, A. 4034, Westmoreland Co., from W. H. Nicely Constr. Co., Ligonier $39,820; grading, etc. 42,018 ft. R. 219, Sect. 3, Clearfield and Centre Counties, from Edwards-Dunn Co., Inc., 202 Coutler Bldg., Greensburg, $116,747; broken stone on concrete paving 22,800 ft. A. 3759-3760, Monroe Co., from Lane Constr. Co., 35 Colony St., Meriden, Conn., $95,994; one course rein.-con. or bituminous surface course, Spec. D or E on 8.243 ft. A. 3441-3670, Bucks Co., from Union Paving Co., 123 South 21st St., Phila., $93,105. Noted Feb. 25.

Md., Baltimore — Bd. Awards, concrete paving 12,400 sq.yd. streets in Contr. 319, from Arundel Contg. Co., Knickerbocker Bldg., $33,692; sheet asphalt paving 18,-500 sq.yd. streets in Contr. 317, from P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R. tracks, $84,423, and 9,080 sq.yd. streets in Contr. 318, from Amer. Paving Co., Montebello Ave., $45,680.

Md., Baltimore — Bd. Awards, Mar. 17, sheet asphalt paving 9,000 sq.yd. streets listed in Contr. 315, from P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio R.R. tracks $40,986, and 12,930 sq.yd. Contr. 314, from Amer. Paving & Constr. Co., Montebello Ave., $43,472; also redressed granite block paving 9,000 sq.yd. Contr. 316, from P. Reddington & Son, 2 East Lexington St., $26,519. Noted Mar. 11.

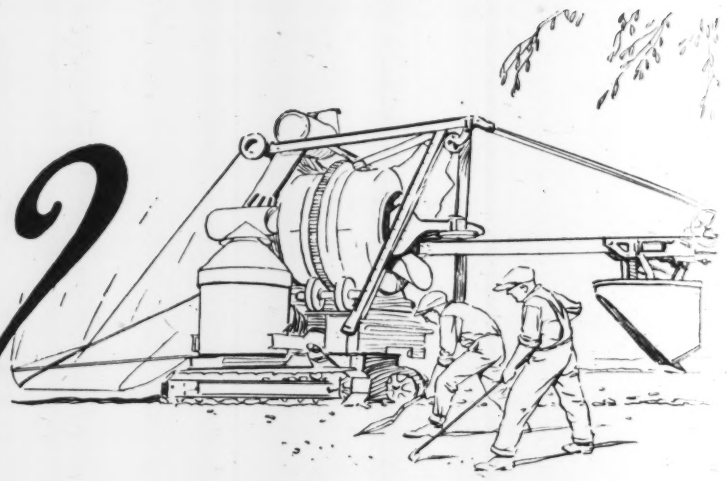
Md., Towson — Comrs. Baltimore Co., Courthouse, paving 2.03 mi. Group 3, Middletown, Graystone and Old York Rds., from Ward & O'Connell, New Amsterdam Bldg., Baltimore, $57,355. Noted Mar. 18.

Louisiana — State Hy. Comn., Baton Rouge, Mar. 16, graveling 5.25 mi. Covington-Franklin Highway, State Project 373-C, St. Tammany Parish, from J. H. Newton Constr. Co., Amite, $14,575; also 9.1 mi. Eunice-Lecompte Highway, State Project 380, Sects. B-2 and C-1, Evangeline Parish, from Baton & Mautersbough, Inc., Lake Charles $49,249. Noted Feb. 18.

Ohio—Dept. Highways & Pub. Wks., Columbus, Mar. 19, surfacing with **(a)** concrete **(b)** bituminous macadam **(c)** surface treated macadam **(d)** brick incl. brick **(e)** brick and macadam **(f)** brick, concrete base **(1)** 3.275 mi. Sect. "H" Hamilton-Eaton Rd., Butler Co. **(2)** 0.56 mi. Sect. "Sommerville" same road **(3)** 0.531 mi. Sect. "Salineville" Salineville-Wellsville Rd., Columbiana Co. **(4)** 3.12 mi. Sect. "E-1" Delaware-London Rd., Delaware Co. **(5)** 0.158 mi. Sect. "B-1" Ceylon-Norwalk Rd., Erie Co. **(6)** 0.628 mi. Sect. "Berlin Heights" same road **(7)** 1.032 mi. Sect. "C" Cambridge-Barnesville Rd., Guernsey Co. **(8)** 5.725 mi. Sect. "A" Ohio River Rd., Hamilton Co. **(9)** 0.256 mi. Sect. "E" Ceylon-Norwalk Rd., Huron Co. **(10)** 3.035 mi. Sect. "C-2" Mt. Vernon-Mt. Gilead Rd., Knox Co. **(11)** 1.942 mi. Sect. "H-1" McConnelsville-New Lexington Rd., Morgan Co. **(12)** 10 mi. Sect. "K-3" and "S" same road **(13)** 2.789 mi. Sect. "C" Shelby-Ashland Rd., Richland Co. **(14)** 4.709 mi. Sect. "A" Cleveland-West Richfield Rd., Summit Co. **(15)** 3.56 mi. Sect. "B-1 and C" Burton-Bloomfield Rd., Trumbull Co., grading, etc., **(16)** 2.421 mi. Sect. "L" Lancaster-New Lexington Rd., Fairfield Co. **(17)** Sect. "A" and "M," "N" and "O" Ohio River Rd., Gallia Co., crushing, hauling, etc., **(18)** 8.2 mi. Sect. "L and M" Jackson-Pomeroy Rd., Meigs Co. **(19)** 5.8 mi. Sect. "N" same road, Vinton Co., quarrying, crushing, etc., **(20)** 3.5 mi. Sect. "E" McConnelsville-Cambridge Rd., Morgan Co., from Central Constr. Co., Columbus, **(a1)** $93,651 **(a2)** $13,161 **(a8)** $312,676 **(b8)** $312,676; from Craig & Jordan, Blanchester, **(b1)** $95,580; from Lewis & Copeland, Lima, **(a3)** $18,-605; from L. L. Clymer, Bluffton, **(c4)** $48,-023; from Pettibone & Graves, Lakeside, **(a5)** $3,980 **(a6)** $25,700 **(a13)** $88,990 **(a14)** $194,140; from J. C. Drake, Marion, **(a7)** $37,845; from Miller & Fletcher, St. Clairsville, **(b7)** $34,369; from Seneca Constr. Co., Kansas, **(b8)** $318,895; from A. J. Baltes, Norwalk, **(a9)** $7,783; from Erman & Seible, Delaware, **(a10)** $80,699; from D. A. Phillip & Son, Ashland, **(d10)** $112,879; from M. B. Koffroth, Richwood, **(e11)** $52,179; from G. R. Stinchcomb, Columbus, **(12)** $18,105 **(18)** $7,622 **(19)** $9,253 **(20)** $4,655; from Mahoning Constr. Co., Warren, **(b15)** $92,994; from W. E. McGee & Son, Chillicothe, **(22)** $26,556. Noted Mar. 11.

O., Ravenna — Brick paving King and Prospect Sts., from J. L. McCormick,

Ready with a Batch?



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Streets and Roads (Continued)

Ravenna, $26,349 and $25,332 resepectively. Engrs. est. $30,000 each.

O., Steubenville — Jefferson Co. rolled slag surfacing Shane-Costonia Rd., from Wolfe & Wolfe, Steubenville, $52,923; improving Hammondsville-Pine Grove Rd., from Jefferson Constr. Co., Steubenville, 9 in. rolled banked slag paving $55,531, waterbound macadam paving $60,529.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, Mar. 23. **(F. A. means Federal Aid, e. e. means engineers estimate, and S. R. means State Road)**, from G. Miller Constr. Co., Lebanon, concrete paving 10.637 mi. S.R. 11, F.A. 101, Sect. B., Huntington Co., $208,909 e. e. $241,214, 20.283 mi. S.R. 1, F.A. 85, Sects. A, B and C, Fulton Co., $362,765 e. e. $414,486, 17.878 mi. S.R. 1, F.A. 85, Sects. D, E and F, Marshall Co., $297,600 e. e. $337,288; from Tri Lake Constr. Co., Columbia City, 6.274 mi. F.A. 85, Sect. A, Miami Co., $106,560 e. e. $120,966, 6.805 mi. S.R. 1, F.A. 85, Sect. B, Miami Co., $133,107 e. e. $141,754; from McCoun Constr. Co., Noblesville, 6.9 mi. S.R. 1, F.A. 85, Sect. D, Fulton Co., $124,124, e. e. $142,980; from Gluss Bros., Hamler, O., 6.441 mi. F.A. 85, Sect. E, Marshall Co., $105,052, e. e. $115,438; from Jenkins McKinsey, Frankfort, 7.204 mi. S.R. 11, F.A. 85, Sect. C, Fulton Co., $132,460, e. e. $152,047; from Hutchinson Constr. Co., Indianapolis, 4.537 mi. S.R. 1, F.A. 85, Sect. F, Marshall Co., $68,882, e. e. $79,081; from Cunningham Constr. Co., Rockville Rd., Indianapolis, 10.622 mi. S.R. 11, F.A. 101, Sect. A, Grant and Huntington Counties, $193,967, e. e. $228,-648; from H. A. Carpenter Constr. Co., Brazil, 10.608 mi. S.R. 8, F.A. 103, Sect. A, Lake and Porter Counties, $193,041, e. e. $235,907. Noted Mar. 11.

Wis., Sheboygan Falls — L. Kalk, city clk., from Universal Eng. Co., Medford, improving various streets, 14,455 cu.yd. excav. at $0.65 per cu.yd., 40,000 sq.yd. one course concrete paving, $2.09, etc., total $110,202. Noted Mar. 4.

Minnesota—State Hy. Dept., Mar. 16 **(S. P. means State Project and F. A. P. means Federal Aid Project)** paving 70,942 sq.yd. S. P. 3-45, Sect. 3, F.A.P. 363, and 77,760 sq.yd. S. P. 3-45, Sect. 4, F.A.P. 25, from Western Asphalt Paving Co., 1st and Nebraska Sts., Sioux City, Ia. $217,034; 67,692 sq.yd. asphaltic concrete paving S. P. 10-39, F.A.P. 382, from Hanlon & Okes, 1501 Merchants Bank Bldg., St. Paul, $152,167; grading, etc. 190,000 cu.yd. S. P. 6-40, Sect. 2, F.A.P. 349, from Strom Constr Co, Gary $62,487, and 60,000 cu.yd. S. P. 4-34, Tenstrike-Hines Rd., from Nelson Mullen & Nelson, 355 Temple Court Bldg., Minneapolis 36,871; also grading and bridging 342,000 cu.yd. S. P. 5-31, Sect. 1, F.A.P. 380 and 196,000 cu.yd. S. P. 37-21, Sect. 3, F.A.P. 376, from Nolan Bros., 18 North 2nd St., Minneapolis, $144,282 and $62,024 respectively. Noted Mar. 11.

North Dakota — State Hy. Dept. and Comrs. Benson Co., Court House, Minnewaukan, Mar. 11, grading, etc., 75,975 cu. yd. Federal Aid Project 290-A-B, from Schultz Bros., Bowbells, $31,693.

Texas—State Hy. Comn., Austin, Mar. 5, **(e. e. means engrs. est.)**, bituminous surface treating, etc., 161 mi. highway in Red River, Bowie, Cass, Titus, Delta, Collin, Denton and Wise Counties, from Cocke & Turner, Marshall, $230,720, e. e. $400,000; 119.37 mi. highways in Bell, Williamson and Milam Counties, from McClung Constr. Co., Cleburne, $174,898, e. e. $225,000; 183.3 mi. highways in Howard, Marten, Midland, Ector, Scurry, Brewster and Potter Counties, from Sherman-Youman Constr. Co., Houston, $179,600, e. e. $525,000. Noted Feb. 25.

Tex., Clarksville—Red River Co., grading, clearing, grubbing, bridging and gravel surfacing 1.01 mi. State Highway 66, Federal Aid Project 364-A, from Tibbetts Constr. Co., Joseph Bldg., Ft. Worth, $42,-980. Engrs. est. $46,500.

Tex., Dallas—Dallas Co., grading, bridging and gravel surfacing 3.053 mi. Highway 78, State Aid Project 643, 16 ft., from A. Jackson, 4704 Bryan St., $29,797. Engrs. est. $32,500.

Tex., Memphis—Hall Co., 2½ in. brick on 4 in. concrete paving various streets, from Panhandle Constr. Co., Lubbock, $181,550. Engrs. est. $190,000.

Nev., Reno—Improving various streets, 660,000 sq.ft. 1½ in. on 3½ in. asphaltic concrete paving, 60,000 sq.ft. patching and replacing pavement, from Smith-Peterson Co., Reno, $129,600.

Nev., Reno—J. B. Reese, city clk., Mar. 15, 660,000 sq.ft. 1.5 in. on 3.5 in. asphaltic concrete paving and 60,000 sq.ft. repairing various streets, from I. Christensen, 109 Sierra St., $59,944. Noted Mar. 4.

Wash., Seattle—Bd. Pub. Wks., Mar. 12, brick and concrete paving, etc., North 36th St. et al, from Erickson Paving Co., Henry Bldg., $81,477.

Wash., Wenatchee — City Comrs., 8 in. concrete paving 23,400 sq.yd. and 7 in. 7,700 sq.yd. Columbia and Yankton Aves., from P. H. Adams & Co., Wenatchee, $110,721. Engrs. est. $125,000. Noted Mar. 18.

California—State Hy. Comn., Sacramento, Mar. 22, grading, bituminous macadam paving, etc. at Chalk Hill, Los Angeles Co., from H. A. McCray, 129 West 2nd St., Los Angeles, $44,517. Noted Mar. 11.

Calif., Los Angeles—From W. Liddington, 420 East 60th St., improving 84th St. and Bway Impvt. Dist., 888 lin.ft. curbing $0.45 per lin.ft., 227 lin.ft. guttering $0.25, 4,487 sq.ft. sidewalk $0.14, 7,080 sq.ft. remodel asphaltic concrete paving $0.25, 197,304 sq. ft. 6 in. concrete base $0.184, etc., total $44,438. Engrs. est. $48,840. Noted Dec. 17.

Calif., Long Beach — From Dudley & Hicks, 2364 Atlantic Ave., improving Loma Ave. between Anaheim and State Sts., 96,-599 sq.ft. 7 in. concrete paving $0.22 per ft., etc. Noted Mar. 11.

Calif., Santa Ana—For 5 in. concrete paving, etc., 519,615 sq.ft., various streets in southwest section of city, from Wells & Bressler, California Bank Bldg., $0.125 per ft., total approximately $81,335. Noted Mar. 25.

Ontario—Dept. Pub. Highways, 110 University Ave., Toronto, concrete structure, Simpsons Gulley, culvert and approaches, Contr. 272, to Johnson Bros., 43 Market St., Brantford, about $20,000; macadam paving 4 mi. road from Belleville South, 20 ft., Contr. 1280, to McGinnis & O'Connor, Kingston, about $60,000, 5.24 mi. road from Fraserville to Ballieboro, Contr. 1281, to Dufferin Constr. Co., foot of Bathurst St., Toronto, $75,000, 4 mi. road from Georgetown westerly, Contr. 1282, to H. T. Routley, 90 Jarvis St., Toronto, $60,000; concrete culvert with approaches at Louisville, Contr. 1287, to Holdroft Constr. Co., 1 Mack St., Kingston, $15,000.

Contracts Awarded

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., laying and relaying sidewalks and curbing when and where directed during year 1926, to Valatia Constr. Co., 15 East 45th St., $5,242, and to J. Meehan & Son, 74 Courtlandt St., $28,-295; also granite block on concrete repaving and widening 4th Ave., to W. J. Fitzgerald, 547 West 45th St., $87,976. Grand total $121,513. Noted Mar. 25.

New Jersey—State Hy. Comn., Trenton, improving Route 18, Sect. 2, Alpine to New York State Line, Bergen Co., 9,000 cu.yd. rock excav., 22,564 cu.yd. borrow, 24,951 sq.yd. 8 in. rein.-con. paving, etc., to S. J. Groves & Sons, 114 Marlton Piek, Camden, $242,880. Noted Mar. 4.

New Jersey—Bd. Freeholders Monmouth Co., Court House, concrete paving 2.388 mi. Allenwood-Manasquan Rd., to Interstate Eng. & Contg. Co., 918 Catherine St., Phila., Pa., $90,587; and 0.57 mi. Manasquan-Biggetts Rd., to P. Camillo & Co., 335 Spring St., Westfield, $25,694. Noted Mar. 11.

N. J., Atlantic City — Atlantic Co. (Mays Landing) treating six roads, here, to T. Tobish, Mechanic Bldg., Trenton, $91,948.

N. J., Camden—Delaware River Bridge Joint Comn., Widener Bldg., Phila., Pa., completing Camden Approach of bridge over Delaware River connecting cities of Phila. and Camden, to O'Neill Co., 127 East Mermaid St., Phila., $251,889.

N. J., Palisades Park—Grading and asphalt paving Broad Ave., etc., to J. M. McGarry, Palisade Ave., Ft. Lee, $157,720.

N. J., Tuckerton—Boro Council, concrete curbing and sidewalks on various streets, to Strudwick & Dodd, Ocean Grove, $68,660. Noted Feb. 25.

Pa., Ebensburg—I. J. McKendrick, solicitor, grading and one course rein.-con. paving 1 mi. Reade Twp. Rd., Cambria Co., 16 ft., to E. H. Brua, Hollidaysburg, $44,-384. Noted Mar. 4.

Pa., Pittsburgh—Allegheny Co., general contract rein.-con. paving, etc., 8,896 ft. Hampton Twp. Rd., to Thomas Cronin Co., South 18th St., $84,556. Engrs. est. $100,000.

Maryland — State Rds. Comn., Garrett Bldg., Baltimore, oiling roads in Group 3, 66,430 gal. oil, Montgomery, Prince George and St. Marys Counties, and Groups 4 and 7, 146,451 gal. oil, Baltimore and Harford Counties, to E. P. Pendleton, 16 South Calverton Rd., $8,503 and $18,089 respectively; 62,955 gal. roads in Groups 1 and 2, Caroline, Cecil, Queen Annes, Wicomico and Worcester Counties, to U. G. I. Co., Broad and Arch Sts., Phila., Pa., $8,354; 90,075 gal. in Group 6, Allegany, Frederick, Garrett and Washington Counties, to Atlantic Refining Co., 260 Broad St., Phila., Pa., $12,277; 176,757 gal. roads in Group 5, Carroll, Frederick, Howard and Montgomery Counties, to Earle & Lansdale Co., 173 Main St., Hackensack, N. J., $22,377; and 182,478 gal. in Group 3, Anne Arundel, Calvert, Charles and St. Marys Counties, to Barrett Co., Warwick and Mulberry Sts., Baltimore, $27,189. Grand total $96,789. Noted Mar. 11.

Md., Baltimore—Bd. Awards, 9,000 sq.yd. sheet asphalt paving Contr. 315, to P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R. R. tracks, $40,986, and 12,930 sq.yd. streets in Contr. 314, to Amer. Paving & Contg. Co., Montebello Ave., $43,-472; redressed granite block paving 9,000 sq.yd. streets, Contr. 316, to P. Reddington & Son, 2 East Lexington St., $26,519. Grand total $110,977. Noted Mar. 11.

W. Va., Charleston—H. C. Walker, city mgr., concrete paving Garden and 5 other streets, to Andrews Asphalt Paving Co., VaLand Bank Bldg., $33,952; West Ave. and 6 other streets, to J. E. Reed & Co., Charleston, $47,774.

W. Va., Charleston—Kanawha Co., concrete surfacing 1.1 mi. Ruffner Hollow Rd., Project 143, 16 ft., to Brown & Floyd, Lowenstein Bldg., $29,689. Noted Mar. 11.

La., Napoleonville—Assumption Parish, grading and graveling 12 mi. Brulee-Labadie, Himelaya and Marais-Cancienne Rds., etc., to Burke & Jones, New Iberia, $42,170. Noted Feb. 18.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, concrete surfacing Project 36-A, Fayette Co., and Project 204, Tipton Co., ot Peerless Constr. Co., Terre Haute, Ind., $209,720, Project 36-C, Shelby Co., to J. C. McFarlin & Co., Keeling, $55,936, Project 39-A, Dyer Co. and Project 39-B and C, Lauderdale Co., to J. F. Kelley Co., Terre Haute, Ind., $479,386, Project 44-A, Greene Co., to Calloway & Fisher, Lenoir City, $301,555, Project 78-A, Bradley Co., to Gamble Constr. Co., Power Bldg., Chattaooga, $231,981, Project 113-D, Scott Co., to Shea Bros., Knoxville, $45,829, Project 127-C, Sumner Co., to Clayton Paving Co., 44 Noel Blk., Nashville, $20,029, Projects 175-A and 193, Gibson Co., to J. E. Pryor Co., Martin, $246,606, Project 198-A, Cumberland Co., to Elkas & Weathers, Greenville, Miss., $100,091, Project 198-B, Cumberland Co., to L. G. Dixon, 2312 Belmont Blvd., Nashville, $78,988, Project 300-C, Morgan Co., to North Fork Constr. Co., Jackson, Ky., $86,901, Project 311-A and B, Hardin and McNairy Counties, to Martin & Scott, Lakemont, Ga., $144,384, Project 312-A, Stewart Co., to C. & G. Constr. Co., Dickson, Tenn., $101,110, Project 322-A, McMinn Co., to Freeman & Ferris, Knoxville, $58,984, Project 324, Hamblin Co., to Harrison, Walters & Prater, White Plains, $55,881, Project 61-A, Bedford Co., to B. Williams, Murfreesboro, $105,822, and Project 64-A, Obion Co., to C. E. Cresap, Humboldt, $43,227; 2 in. asphaltic concrete on concrete surfacing Project 141-C, 179 and 199, Knox and Blount Counties, to R. L. Peters, Holston Bank Bldg., Knoxville, $159,055; 2½ in. penetration surfacing Project 173-A, Robertson Co., to E. L. Traughber, Adairville, Ky., $95,712. Grand total $2,621,197. Noted Feb. 25.

O., Cincinnati — Comrs. Hamilton Co., grading, guttering and concrete paving 18,-320 sq.yd. Camargo Pk. from corporation line of Cincinnati to Maderia, to Biegler Bros., Franklin, $119,068. Engrs. est. $130,623. Noted Mar. 18.

O., Cleveland—Creosoted lumber resurfacing Central Viaduct, to Forschner Co., East 10th St. and St. Clair Ave., $69,996.

Wisconsin—State Hy. Dept., Madison, to S. J. Groves & Sons, Globe Bldg., Minneapolis, Minn., improving Winona-Marshland Rd., Federal Aid Project 340-B, 22,538 cu. yd. earth excav. at $0.30 per cu.yd., 50 cu. yd. loose rock excav. $1, 1,600 cu.yd. solid rock excav. $1.50, 4,717 cu.yd. borrow $0.35, 5,406 sq.yd. concrete paving $2.15, and 1,454 cu.yd. gravel surfacing $2.75, etc., total $39,184.

Wisconsin—State Hy. Dept., Madison, to H. P. Nelson, Ossee, improving Hustler-Sparta Rd., Job 5692, 42,650 cu.yd. earth excav. at $0.37 per cu.yd., 780 cu.yd. loose rock excav. $0.70, 2,084 cu.yd. solid rock excav. $1.50, 8,673 cu.yd. borrow $0.40, 1,335 cu.yd. channel change $0.40 and 3,690 cu.yd. pea gravel surfacing $4.38, etc., total $91,560.

Wisconsin — State Hy. Dept., Madison, grading and pea gravel surfacing, etc. 5,389 cu.yd. New Lisbon-Sparta Rd., Federal Aid Project 325-A, Monroe Co., to A. Larson & Co., Eau Claire, $62,671.

Wisconsin — State Hy. Dept., Madison, grading, concrete paving, etc., 122,555 sq.yd. Cambridge-Madison Rd., Job D 136-1926, Dane Co., to J. R. Griffith Co., Racine, $204,497.

Streets and Roads (Continued)

Wis., Appleton—F. L. Williams, city clk., rein.-con. paving North State St., to F. P. Coughlin Co., 1735 Fullerton Ave., Chicago, Ill., $40,229; and vibrolithic concrete paving South Cherry St., to Garvey & Weyenberg Constr. Co., 107 West College Ave., $34,237.

Wis., Milwaukee—Dept. Pub. Wks., R. Stoelting, comr., concrete paving 11 alleys, to F. W. Blodgett Co., Inc., Newton Ave., $18,962; and 7 alleys, to W. F. Hunt, 405 Bway., $24,934.

Wis., Milwaukee — Dept. Pub. Wks., to Milwaukee General Constr. Co., 427 Mitchell St., vibrolithic concrete paving Sheridan Ave. $15,342, Hayes Ave. $2,222, 13th Ave. $9,309, 23rd Ave. $10,389; to W. F. Hunt, 405 Bway., 24th, West 24th and 25th Sts. $23,253, 24th and West 24th Sts. $23,253, 25th and 26th Sts. $23,015, 1st St. $16,376, Island Ave. $11,077. Grand total $134,236.

Wis., Milwaukee—Dept. Pub. Wks., to W. F. Hunt, 405 Bway., vibrolithic concrete paving 11th Ave. $40,252, 10th Ave. $33,300, and concrete paving 1 alley $7,146; to F. Hildebrand, 1042 23rd Ave., vibrolithic concrete paving 14th Ave. $3,059, and concrete paving 1 alley $6,292; to Gumz & Switalski, 831 13th Ave., vibrolithic concrete paving Harrison Ave. $6,534, 28th Ave. $12,600, 29th Ave. $7,105; to J. Bluhm & Son, 1298 Achilles Pl., vibrolithic concrete paving West 19th St., $9,225; to Rybach & Sadowski, 1092 2nd Ave., concrete paving 1 alley, $6,436, and to Kroening Constr. Co., 39th Ave. and Mitchell St. alleys $21,755. Grand total $153,704.

Wis., Whitefish Bay — W. Volkman, village clk., 3,359 ft. 6 in. c.i. mains in various streets, to R. J. Wilson & Co., Appleton at $2.20 to $2.80 per ft.; 9,609 ft. 6 in. in various streets, to Wenzel & Henoch Co., 498 27th St., Milwaukee, $2.08 to $2.25; 4,787 ft. in various streets, to Ribbens Bros., Mayville, $2.40 to $2.73; and 4,084 ft. 8 in. mains in various streets, to F. E. Kaminski, 745 46th Ave., $2.89. Noted Mar. 4.

Kan., Greensburg — Clerk Kiowa Co., grading, etc. 3.666 mi. Federal Aid Project 305-A, and grading, bridging, etc. 3.64 mi. Federal Aid Project 275-A, both 28 ft., to Maney Bros. & Co., Empire Bldg., Oklahoma City, Okla., $7,608 and $16,056 respectively. Engrs. ests. $9,551 and $18,965 respectively.

Kan., McPherson—McPherson Co., grading 7.817 mi. Federal Aid Project 278-A, to Campbell & Lachenmaier, Miltonvale, $20,318; bridges and culverts, to Shuss & Henderson Larned, $27,698 less 1.8051 per cent. Noted Feb. 11.

South Dakota—State Hy. Dept., Pierre, **(F. A. P. means Federal Aid Project)**, to Dowd Bros.-Nooman-Hyde Co., Watertown, grading, etc., 17.89 mi. F. A. P. 195-A, Hamlin Co. $53,660, 12.66 mi. F. A. P. 193-C, Grant Co. $33,773, and 18.67 mi. F. A. P. 193-D, Deuel Co. $46,839; to Northwestern Eng. Co., Kadoka, 4.35 mi. S. A. P. 95, Perkins Co. $12,787, to Miller & Winegar, Sioux Falls, 11.97 mi. F. A. P. 188-F, Mineral and Lake Counties, $34,559, to Tobin & Maloney, Madison, 1.87 mi. F. A. P. 207-A, Minnehaha Co. $11,203, 13.88 mi. F. A. P. 197-A, Minnehaha and Lincoln Counties $37,280, 8.02 mi. F. A. P. 197-B, Lincoln Co. $16,540, gravel surfacing, etc., 14.03 mi. F. A. P. 184-A, Spink Co. $15,897; to Jahnig & Davis, Britton, grading, etc., 10.96 mi. F. A. P. 198-A, Brown Co. $26,336, to Walworth Co., Selby, F. E. Gehrki, highway comr., 4.48 mi. F. A. P. 190-B, $18,151, to R. P. England, Murdo, 18.24 mi. F. A. P. 189-C, Brule Co. $44,232; to Van & Van, Hull, Ia., gravel surfacing, etc., 12.3 mi. F. A. P. 184-B, Beadle Co. $14,023, 14.3 mi. F. A. P. 178-C, Yankton Co. $21,442, to S. S. Roberts, Flandreau, 11.06 mi. F. A. P. 186, Sanborn Co. $11,945, 9.64 mi. F. A. P. 186-C, Sanborn Co. $12,832, to H. Pickus Constr. Co., Sioux City, Ia., 5.6 mi. F. A. P. 100-A, Pennington Co. $15,814, to Lindekugel & Barthelow, Spencer, 6.89 mi. F. A. P. 178-A, Bon homme Co. $7,471, and to R. L. Wiley, Summitt, 21.63 mi. F. A. P. 82, Meade Co. $33,710. Grand total $468,494. Noted Feb. 25.

North Dakota — State Hy. Dept. and Comrs. Kidder Co., Court House, Steele, **(F. A. P. means Federal Aid Project)**, constructing 7.14 mi. F.A.P. 327-A, to Steig & Olson, Esmond, $29,501; also grading 13.455 mi. F.A.P. 306-A and 13.985 mi. F.A.P. 306-B, to F. O. Smith, Steele, $30,196 and $35,615 respectively. Grand total $95,312.

North Dakota — State Hy. Dept. and Comrs. Ward Co., Court House, Minot, gravel surfacing, etc., 9.111 mi. Federal Aid Project 86-G and 8.196 mi. Federal Aid Project 182, to Stevens Bros., 612 Endicott Bldg., $17,020 and $20,675 respectively; also 18.441 mi. Federal Aid Project 181, to Win Coman, Goodrich, $33,800. Grand total $71,495. Noted Feb. 25.

Montana—State Hy. Dept., Helena, ¾ in. crushed gravel resurfacing 11,540 cu.yd. Federal Aid Project 53-B, Yellowstone Co., to G. B. Selvidge, Billings, $18,060; grading and gravel surfacing 15.35 mi. Federal Aid Project 187-A, Yellowstone Co., to W. E. Applegate, Butte, $131,550, engrs. est. $141,479; and grading, gravel surfacing, etc., 7.5 mi. Federal Aid Project 197, Sanders Co., to Buck Helean, Missoula, $53,308. Grand total $202,918. Noted Mar. 4.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, asphalt paving 25,260 sq.yd. Easton Ave. and 965 sq.yd. Theodore St., to Webb Boone Paving Co., 5103 Fyler Ave. $151,822 and $12,985 respectively, 8,480 sq.yd. Lynch St. to C. A. Moreno, Syndicate Trust Bldg. $57,929, 3,075 sq.yd. Bernard St., to Bridges Asphalt Paving Co., Buder Bldg. $21,438, 3,790 sq.yd. Missouri So., to Eyermann Constr. Co., 1216 South Grand Blvd. $18,093, 2,860 sq.yd. Wydown Blvd., to Central Paving & Constr. Co., 6161 Maple Ave. $11,624; and 790 ft. 10- to 15-in. vitr. clay sewers, etc. in Dale Ave. Sewer Dist. 6, to Grand & Meinert, c/o Municipal Contrs. Assn., Fullerton Bldg., $2,786. Grand total $276,677.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, concrete paving alleys in City Blocks 1245, 5203, 5204, 5205, 5206, 5525, 5531 and 5532, to Perkinson Bros. Constr. Co., 3237 Carter Ave., $19,983; in City Blocks 2868-E, 2997-A, 2999, 3000, 3016, 3038, 4411-A, 5127 and 5128, to A. Lewald, 1219 Amherst Pl., $17,746; and in City Blocks 3607, 4364, 4602-E, to Skrainka Constr. Co., Security Bldg., $7,957. Grand total $45,686.

Tex., Henrietta — Clay Co., to Thurber Constr. Co. and General Constr. Co., Cotton Exch. Bldg., Ft. Worth, rein.-con. paving 6.89 mi. State Highway 5, Federal Aid Project 448-A $169,962 engrs. est. $222,300, and 7.14 mi. Federal Aid Project 448-B $170,852 engrs. est. $230,000, 9.25 mi. State Highway 50, Federal Aid Project 449-A $225,864, engrs. est. $302,700, and 10.24 mi. Federal Aid Project 449-B $254,787, engrs. est. $330,000, all 18 ft.

Tex., Carthage — T. E. Boven, judge Panola Co., clearing, grubbing, bridging and grading 6.47 mi. State Highway 8, from Carthage to Martins Creek Co., to C. Epps, P. O. Box 505, San Augustine, $59,159. Engrs. est. $68,700. Noted Mar. 25.

Tex., Eagle Lake—Office of R. T. Westmoreland, mayor, curbing, guttering and 6 in. concrete paving Main St. and around square, to Smith & Adams, Houston, $26,786. Noted Feb. 25.

Tex., Linden—F. E. Hess, engr., Linden, grubbing, bridging and grading 5.64 mi. State Highway 8, Federal Aid Project 457-A, 26 ft., to B. Price & Co., Paris, $59,782. Engrs. est. $60,000. Noted Mar. 25.

Oklahoma—State Hy. Dept., Oklahoma City, **(S. A. P. means State Aid Project, F. A. P. means Federal Aid Project, and e. e. means engineers estimate)**, to Hamilton Constr. Co., Bartlesville, grading, etc., 8.06 mi. Stroud-Bristow Rd., F. A. P. 136-A, Creek Co. $29,116 e. e. $31,000, 6.06 mi. same road Sect. B, $26,730 e. e. $28,800, to Ledford & Way, Walters, 2.989 mi. Snyder-Mountain Park Rd., S. A. P. 224-B, Kiowa Co., $16,820 e. e. $25,000, 5.21 mi. Walters Rd., S. A. P. 109, Cotton Co., $14,573 e. e. $25,000, to Maney Bros., Empire Bldg., Oklahoma City, 10.055 mi. Hobart-Lone Wolf Rd., S. A. P. 227-B, C and D, Kiowa Co., $19,304 e. e. $25,000, 7 mi. Elk City-Sayre Rd., F. A. P. 212-C, Beckham Co., $32,229 e. e. $35,000, to Biggs & Biggs, Hobart, 7.897 mi. Hobart-Goteba Rd., S. A. P. 226-A and B, Kiowa Co., $19,842 e. e. $25,000, to W. P. McCoy & Son, Perry, 3.943 mi. Tonkawa-Three Sands Rd., S. A. P. 280, Kay Co., $19,058 e. e. $25,000, to T. C. Ottinger, Hinton, 6.997 mi. Tonkawa-Ponca City Rd., S. A. P. 111-B, Kay Co., $19,636 e. e. $25,000, to M. A. Swatek, Security Bldg., Oklahoma City, 7.536 mi. Elk City-Sayre Rd., F. A. P. 212-B, Beckham Co., $31,416 e. e. $35,000, to E. Smittle, Catoosa, 4.681 mi. Poteau-Heavener Rd., F. A. P. 132-B, Le Flore Co., $28,790 e. e. $30,000, to J. J. Harrison, 2100 South High St., Oklahoma City, 5.11 mi. Poteau-Heavener Rd., F. A. P. 132-A, Le Flore Co., $33,323 e. e. $35,000, to Ellis & Lewis, Muskogee, 5.146 mi. Talala Rd., S. A. P. 2-G, Rogers Co., $22,831 e. e. $25,000, all above 30 ft. wide; to Flynn Constr. Co., Newkirk, grading and concrete surfacing 2.807 mi. Yukon Rd., 30 ft., F. A. P. 163-B, Canadian Co., $68,803 e. e. $75,000, concrete surfacing 7.099 mi. Beggs Rd., 18 ft., F. A. P. 159-A, Okmulgee Co., $147,688 e. e. $160,000, and 4.054 mi. Pond Creek Rd., 18 ft., F. A. P. 148-D, Grant Co. $91,726 e. e. $100,000, to Ward, Beekman & Brooks, Security Bldg., Oklahoma City, 3.271 mi. Commerce-Pitcher Rd., 18 ft., F. A. P. 105-C, Ottawa Co., $73,862 e. e. $80,000, to Hansen & Pearce, Edmond, 3 mi. Pond Creek Rd., 18 ft., F. A. P. 148-C, Grant Co., $69,742 e. e. $75,000; to M. E. Gilloiz, Monett, Mo., gravel top surfacing 5.238 mi. F. A. P. 193-D, 30 ft., Nowota Co., $22,350 e. e. $27,000; to Park & Moran, 210 Seminole Bldg., Okmulgee, rock asphalt surfacing 5.218 mi. Henryetta Rd., 18 ft., F. A. P. 168-A, Okmulgee Co., $149,715 e. e. $160,000. Grand total $937,593. Noted Mar. 11.

Okla., Drumright — Grading and vitr. brick paving 6,360 sq.yd. streets in Dist. 4, to Klinglesmith Constr. Co., Sapulpa, $33,906. Engrs. est. $35,410.

Okla., Okemah — Grading, curbing and concrete paving 8,560 sq.yd. South 23rd St., to Park & Moran, 210 South Seminole St., Okmulgee, $26,446. Engrs. est. $28,810.

Okla., Ponca City—For 2½ in. vitr. brick paving various streets in Paving Dist. 58, to R. H. Baldwin, Ponca City, $27,284.

Nev., Reno—J. B. Reese, city clk., concrete paving, etc., various streets, to L. Christensen, 109 Sierra St., $59,945.

Washington—State Hy. Dept., Olympia, concrete paving 43,000 sq.yd. State Rd. 2, Lincoln Co., 1.71 mi. road from Spokane west, Spokane Co., to T. M. Morgan, 768 Stuart Bldg., Seattle and $133,204, 0.31 mi. State Rd. 12, Lewis Co., to E. O. Albers, Chehalis $10,878; crushed gravel surfacing 8,800 cu.yd. State Rd. 11, Adams Co., to Joslin & McAllister, P. O. Box 1286, Spokane $6,336, 8,500 cu.yd. State Rd. 4, Okanogan Co., to Triangle Constr. Co., 1220 Ide Ave., Spokane $63,811; and grading, etc. 60,000 cu.yd. State Rd. 8, to Morrison-Knudson & Co., Boise, Idaho, $47,990. Grand total $262,219. Noted Mar. 4.

Wash., Seattle — Grading, concrete paving, etc., 30,180 sq.yd. Midvale Ave. et al, to R. G. Stevenson, 1327 Northlake Ave., $93,843, engrs. est. $97,759; and 20,160 sq.yd. Aurora Ave. et al, to McHugh & Coluccio, 517 3rd Ave. N., $56,396, engrs. est. $58,550. Noted Mar. 25.

Wash., Wenatchee — Comrs. Chelan Co., grading and crushed rcok surfacing 25,849 cu.yd. Wenatchee-Malaga Rd., to Goodfellow Bros., Wenatchee, $37,582.

Calif., Los Angeles — Curbing, walks, storm drains and 6 in. concrete paving Whitmore Ave. and Alvarado St., to Brockman & O'Brien, 1566 Murray Circle $34,706; also cutting, filling, storm drains, asphaltic and concrete paving, etc. 2nd and Mesa Sts., to G. H. Oswald, 366 East 58th St., $46,066. Noted Feb. 25 and Mar. 18.

Calif., Ontario—To Griffith Co., Ry. Bldg., Los Angeles, improving State St., 120,000 sq.ft. 4 in. asphaltic concrete paving $0.12 per sq.ft., 12,000 r.w. headers $0.10, etc. Noted Mar. 25.

Calif., San Diego — Common Council, improving 26th St. from N St. to Balboa Park, to D. H. Ryan, Spreckels Bldg., $39,861. Noted Mar. 25.

Calif., San Diego — Bd. Supervs. San Diego Co., improving all streets in Kensington Heights (suburban section), 9,278 lin. ft. cement curbing, 35,902 sq.ft. cement sidewalk, 19,059 cu.yd. earth excav., 4,730 ft. 4 and 6 in. mains, ornamental lighting system, etc., to D. H. Ryan, 1615 Fern St., $64,376.

Calif., San Leandro—Curbing, guttering, walks and 3 in. oil and screenings on waterbound macadam surfacing, etc., streets in Best sub-division, to Heafey-Moore-McNair, 344 High St., Oakland, approximately $75,000.

Calif., Winters—Grading, curbing, guttering 1½ in. Willite asphaltic concrete on 2½ in. asphaltic concrete paving, Railroad and Main Sts., to Teichert & Sons, 1846 37th St., Sacramento, approximately $30,000. Noted Mar. 18.

Ontario — Provincial Highways Dept., Toronto, 5 mi. highway from Marden to Fergus, to McArthur Eng. & Constr. Co., Guelph. Engrs. est. $100,000.

Buildings—Commercial

Proposed Work

Mass., Amherst — THEATRE — Lawler Bros., Federal St., Greenfield, soon lets contract 2 story and basement, brick and steel, Amity and Pleasant Sts. $150,000. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts.

Conn., Bristol—WAREHOUSE, etc.—E. Ingraham Co., 392 North Main St., soon takes bids 5 story, 80 x 125 ft., timber warehouse, 1 story addition to buffing and plating department, etc., North Main St.

N. Y., Brooklyn—HOSPITAL—Lutheran Hospital, East New York Ave., having plans prepared by R. Resler, engr. and archt., 41 East 42nd St., New York City, brick, steel and stone addition and power

Buildings—Commercial (Continued)

house, plain foundation, East New York Ave. $700,000. Noted June 4.

N. Y., Brooklyn—HOSPITAL—Hospital of Holy Family, c/o J. Brophy, pastor, 283 Hicks St., having plans prepared by Crow, Lewis & Wick, engrs. and archts., 200 5th Ave., New York City, 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, Dean St.

N. Y., Brooklyn—HOSPITAL—St. Johns Hospital, Atlantic Ave., having plans prepared by Lord & Hewlett, engrs. and archts., 2 West 45th St., 5 story, brick, steel and stone, plain foundation, Atlantic and Albany Aves. $1,500,000.

N. Y., Buffalo — CLUBHOUSE — Buffalo Federation Womens Clubs, c/o Plumer & Mann, Inc., archts., 700 Main St., having preliminary plans prepared 7 story clubhouse, with swimming pool and heating plant. $1,000,000. Noted Feb. 19, 1925.

N. Y., Buffalo — HOSPITAL — Buffalo Shriners, Buffalo Consistory, Delaware Ave., plans childrens hospital. $1,000,000.

N. Y., Buffalo—THEATRE—Hager, Askey & Forrest, 1325 Hertel Ave., having preliminary plans prepared theatre, Main St. $750,000. Private plans.

N. Y., Buffalo—Y. M. C. A., 347 Madison Ave., New York City, soon takes bids Y. M. C. A. building, Abbott Rd., here. $150,000. Bley & Lyman, 505 Delaware Bldg., engrs. and archts. Noted Feb. 18.

N. Y., New York — CLUB HOUSE — United Order of True Sisters, c/o Block & Hesse, engrs. and archts., 18 East 41st St., soon takes bids 4 story, brick, steel and stone, plain foundation, 150 West 85th St. Noted Jan. 28.

N. Y., New York — GARAGE — Yellow Taxi Co., 155 East 44th St., having preliminary plans prepared by Hyde & Shepard, engrs. and archts., 588 Lexington Ave., 6 story, rein.-con., brick and steel, plain foundation, East 23rd St. $500,000.

N. Y., New York—HOTEL—A. Adelberg, 333 7th Ave., having plans prepared by Schwartz & Gross, archts., 347 5th Ave., 15 story, brick, steel and stone, plain foundation, Lexington Ave. $1,500,000. Ball & Snyder, 505 5th Ave., engrs.

N. Y., New York—LOFT—R. R. Tille, c/o Dennison & Hirons, engrs. and archts., 288 Lexington Ave., having plans prepared brick, steel and stone, plain foundation, 156 East 56th St. $500,000.

N. Y., New York—LOFT and OFFICE—Owner, c/o Necarsulmer & Lehlback, engrs. and archts., 507 5th Ave., having plans prepared 16 story, brick, steel and stone, plain foundation, Lexington Ave. and 26th St.

N. J., Gloucester—SCHOOL—Bd. Educ., J. McHenry, secy., plans school, Cumberland St. $271,000. Engineer and architect not selected.

N. J., Salem—BANK—T. E. Ash, archt., 1012 Walnut St., Phila., Pa., soon lets contract rein.-con., brick and steel, plain foundation, here, for Salem Natl. Bank & Trust Co.

Pa., Phila.—HOTEL—Owner, c/o W. L. Charr, archts., Victory Bldg., having plans prepared 5 story and basement, 55 x 235 ft., rein.-con., brick and steel, plain foundation, 915-17 Walnut St. $400,000.

N. C., Morehead City—HOTEL—Morehead Bluffs Hotel Co. soon takes bids 100 room hotel. Benton & Benton, Wilson, archts.

Fla., Coral Gables—HOTEL, etc.—Coral Gables Rest Resort Corp. having plans prepared by J. E. O. Pridmore, 38 South Dearborn St., Chicago, Ill., and takes bids about Apr. 22, 6 story rest resort, 1,000 room hotel with two 9 story towers, 432 x 500 ft., incl. swimming pool, 3 story, 60 x 130 ft. service building, dock and driveways, etc., in Riviera section. $10,000,000.

Fla., Miami — THEATRE — M. Speigel, dir. chain of Strand Theaters, 1579 Bway., New York City, N. Y., had plans prepared by M. L. Hampton, Royal Palm Hotel Bldg., 100 x 150 ft., Northeast 2nd Ave. and 22nd St., here, for Miramar Strand Theatre Corp., 914 Olympia Bldg. $300,000.

Alabama — HOSPITAL — Cities of Tuscumbia and Sheffield plan election soon $150,000 bonds, hospital, used jointly by both cities.

La., New Orleans—HOTEL—Syndicate, c/o E. L. Aschaffenburg, pres., had plans prepared by Weiss & Dreyfous, Maison Blanche Bldg., Hotel Pontchartrain, 12 story, 102 x 120 ft., St. Charles Ave. and Josephine St. $1,000,000.

O., Cleveland—APARTMENT HOTEL—N. Staman, 2872 Hampshire Rd., having preliminary plans prepared by M. Altschuld, 5116 Woodland Ave., 3 story and basement, 38 x 210 ft., brick, East 79th St. near Euclid Ave. $225,000.

O., Cleveland — COMMERCIAL and APARTMENT — Wallace-Carnegie Co. Impvt. Co., c/o J. T. Steffens, Fidelity Mortgage Bldg., having preliminary plans prepared 3 story and basement, 113 x 130 ft., brick, East 83rd St. and Carnegie Ave. $150,000.

Ind., Indianapolis—THEATRE——Circle Theatre Co., A. L. Block, pres., 45 Monument Pl., having plans prepared by Rubush & Hunter, 430 Amer. Central Life Bldg., 126 x 195 ft., 4,000 seating capacity, 128-142 West Washington St. $1,000,000.

Mich., Detroit — BANK and OFFICE — Book Estate, Book Bldg., soon lets general contract 22 story and basement, 60 x 100 ft., rein.-con., brick and steel, Washington Blvd.; structural steel, to McClintic-Marshall Co., Oliver Bldg., Pittsburgh, Pa. L. Kamper, Kamper Bldg., Cass Ave., archt.

Mich., Detroit — HOTEL — Detroit Properties Co., E. A. Loveley, Washington Blvd. Bldg., had plans prepared by C. W. and G. L. Rapp, 1749 Howard St., Chicago, Ill., 20 story and basement, rein.-con., brick and steel, caisson foundation, Bagley Ave. $6,500,000.

Ill., Chicago—APARTMENT—Childs & Smith, archts., 720 North Michigan Ave., preparing plans and soon takes bids 18 story, 72 x 164 ft., brick, steel and stone, Lake Shore Dr. and Burton Pl., for Baird & Warner, 134 South La Salle St. $2,000,000.

Ill., Chicago — APARTMENT — Oman & Lilienthal, archts., 64 West Randolph St., preparing plans and takes bids about May 1, 17 story, 57 x 120 ft., rein.-con., brick, stone and terra cotta, wood pile foundation, 2130-32 Lincoln Park W., for Syndicate, c/o architects. $1,300,000.

Ill., Chicago—HOTEL—Harvey & Dammarell, 628 West Madison St., having preliminary sketches made by A. S. Alschuler, 28 East Jackson Blvd., 12 story, 110 x 137½ ft., rein.-con. and steel, West Madison and Desplaines Sts. $1,000,000.

Ill., Chicago — OFFICE and STORE — H. L. Newhouse, archt., 4623 Drexel Ave., making plans and takes bids in April or May, 7 story, 103 x 125 ft., rein.-con., brick and terra cotta, West Madison St. and Crawford Ave., for C. F. Aaron, 139 North Clark St. $1,000,000.

Ill., Chicago—THEATRE, STORE and APARTMENT—Z. E. Smith, archt., 305 East 55th St., preparing plans and takes bids about Apr. 22, 3 story, 125 x 195 ft., brick and terra cotta, Irving Park Blvd. and Central Ave., for O'Conner, Burke & McDonnell, 748 East 79th St. $1,250,000.

Ill., Peoria—MEDICAL and DENTAL—Dental Assn. and Medical Society, J. C. Roberts, chn., com., 507 Jeff Bldg., having plans prepared by B. L. Hulsebus, 1232 Jeff Bldg., 10 story and basement, 60 x 170 ft. medical and dental building. $400,000. Engineer not selected.

Ia., Muscatine—SCHOOLS—Voted $275,000 bonds for brick and concrete schools, for Bd. Educ., c/o H. Ahlschlager, Dougher, Rich & Woodburn, 805 Valley Natl. Bank Bldg., Des Moines, archts.

Neb., Grand Island — THEATRE — Yancy Hotel soon lets contract 1 story and mezzanine, 66 x 132 ft., brick, steel, and terra cotta, 2nd St. between Pine and Locust Sts. $200,000. J. Eberson, 212 East Superior St., Chicago, Ill., archt.

Mo., St. Louis — HOSPITAL — Lutheran Hospital, Ohio and Potomac Sts., and T. Steinmeyer, archt., 710 International Life Bldg., take bids about Apr. 18, 4 story and basement, 40 x 100 ft., brick, concrete and stone addition. $275,000. Noted Mar. 25.

Tex., Brownsville—AUDITORIUM—Election soon, $160,000 bonds, 3,000 capacity auditorium. Engineer and architect not selected.

Tex., San Antonio—EXPOSITION—San Antonio International Exposition, c/o A. Steves, Sr., chn. building com., 504 King William St., receiving plans exposition buildings and race track. $200,000.

Tex., San Antonio—HOTEL and HOTEL APARTMENT — H. C. Thorman & associates, 125 East Travis St., plans three 12 story and basement, rein.-con., brick and tile, plain foundations, Devine and Robinson Rds., Alama Heights. $2,000,000. Engineer and architect selected soon.

Tex., Texarkana — DEPOT — Missouri-Pacific R. R. Co., Ry. Exch. Bldg., St. Louis, Mo., Southwestern Ry. Co., Tyler, Tex., and Kansas City Southern R. R. Co., Texarkana, having plans prepared 1 and 2 story, rein.-con., brick and steel station, plain foundation, incl. 6 tracks, sheds and mail handling building. $2,000,000. Private plans. Noted Oct. 2, 1924.

Wash., Bellingham — STORE, OFFICE and THEATRE — Bellingham Development Co., T. D. Stimson, mgr., White Bldg., Seattle, purchased site and plans store, office and shops, incl. theatre, 2,000 seating capacity. $2,000,000.

Wash., Seattle—OFFICE and STORE—F. K. Struve, Stuart Bldg., purchased site and plans store and office building, 6th and Olive Sts. $1,000,000.

Calif., Beverly Hills — CLUB, etc. — Beverly Hills Sulphur Baths Co. having plans prepared by B. J. Bloser, Citizens Natl. Bank Bldg., Los Angeles, part 1 and 2 story, 100 x 190 ft., brick, incl. 75 x 175 ft. concrete and tile swimming pool.

Calif., Oakland — APARTMENT — O. Kehrlein, Tribune Tower Bldg., having plans prepared by Miller & Warnecke, 1404 Franklin St., 20 story, Lakeshore Blvd. and Madison St. $1,000,000.

Calif., Sacramento—WAREHOUSE and SERVICE—Pacific Gas & Electric Co., 245 Market St., San Francisco, having plans prepared brick or concrete, M St. $150,000. Eng. Dept. of Owners, engrs.

Calif., Sanger—HIGH SCHOOL—Sanger Union High School Dist. plans election $270,000 bonds, fireproof high school. Noted Mar. 25.

Calif., San Francisco — THEATRE — Orpheum Theatre Co., 147 O'Farrell St., having preliminary plans prepared by G. A. Lansburgh, 140 Montgomery St., theatre. $1,000,000 or more.

Calif., Watsonville — HOTEL — W. H. Weeks, archt., 369 Pine St., San Francisco, rejected bids 5 story and basement, rein.-con., Lake and Main Sts., for Resetar Bros. $250,000.

Man., Winnipeg—GARAGE—T. Eaton Co. Ltd., 190 Yonge St., Toronto, Ont., soon lets contract 4 story and basement, 100 x 120 ft., rein.-con., and brick, 255-257 Carlton St. $170,000. J. Woodman, 408 Great West Permanent Loan Bldg., archt. Noted Mar. 4.

Bids Desired

Mass., Boston—HOTEL—J. R. Whipple Corp., Federal St., taking bids 15 story and basement, 90 x 170 ft., and 42 x 100 ft., rein.-con., brick, limestone, marble and steel, plain foundation, Tremont and School Sts. $3,000,000. J. R. Worcester Co., 79 Milk St., engr. Desmond & Lord, 1 Beacon St., archts. Noted Oct. 22.

Mass., Dorchester (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Quincy (Boston P. O.)—TEMPLE—Apr. 5, by Quincy Masonic Lodge Building Assn., 2 story and basement, 80 x 125 ft., brick and steel, Hancock St. $150,000. J. W. Beal & Sons, 185 Devonshire St., Boston, archts. Noted Oct. 22.

Conn., Middletown—APARTMENT—P. J. Stueck, 460 Main St., taking bids 4 story, brick and steel, Main and Washington Sts. Ward & Kerrigan, 247 Park Ave., New York City, engrs. and archts.

Conn., New Haven—BANK and APARTMENT—G. Franco & Son, 127 Columbus Ave., taking bids 4 story, 62 x 65 ft., brick, steel and stone bank and apartment. $150,000. H. S. Cannici, 82 Church St., archt.

Conn., West Haven (br. New Haven)—THEATRE — State Amusement Co., 195 George St., New Haven, taking bids 2 story, brick and steel, Center St. and Campbell Ave. $200,000. C. H. Abramowitz, 42 Church St., New Haven, archt.

N. Y., Astoria (sta. Long Island City), **N. Y.** — APARTMENT — See "Contracts Awarded."

N. Y., Mt. Vernon—OFFICE—Apr. 8, by Westchester Lighting Co., South 1st Ave., F. A. Stratton, pres., 10 story, brick, steel and stone, plain foundation, 1st Ave. $1,000,000. B. S. King, 19 East 41st St., New York City, engr. and archt. Noted Mar. 4.

N. Y., New York—APARTMENT—See "Contracts Awarded."

Pa., Phila.—THEATRE—Apr. 2, by Boyd Abel & Gugert, archts., Otis Bldg., 1 story and basement, 60 x 195 ft. ,rein.-con., brick and steel, plain foundation, Ogontz Ave. and Chelten St., for Goldman Bros., Greene and Chelton Sts. $150,000.

Pa., Upper Darby (br. Phila.)—HOSPITAL—Apr. 7, by Delaware Co. Hospital Building Comn., Ashby and Copley Rds., Stonehurst, 3 story and basement, 48 x 110 ft., rein.-con. and brick, plain foundation, Lansdowne Ave. and Garrett Rd., here. $150,000. Ballinger & Co., 12th and Chestnut St., archts.

D. C., Wash.—OFFICE—Apr. 12, by O. H. Miller, archt., McLachlen Bank Bldg., 8 story, 50 x 100 ft., rein.-con., steel and stone, 10th and K Sts. N. W., for United Brotherhood of Carpenters & Joiners of America, Local 132, C. H. Adams, 3400 Eastern Ave., Mt. Rainer, Md., chn. building com. Noted Mar. 11.

Ala., Birmingham—HOTEL—May 1, by Jefferson Hotel Co., 19 story, 100 x 140 ft., rein.-con., 17th St. and 2nd Ave. $1,500,000. Warren, Knight & Davis, Empire Bldg., archts.

Ind., Evansville — WAREHOUSE — Standard Oil Co. of Indiana, 2320 Division St., taking bids brick and steel warehouse, incl. machine shop, garage, etc. $200,000.

Buildings—Commercial (Continued)

Schlinz & Bailey, 53 West Jackson St., Chicago, Ill., archts.

Ind., Hammond—THEATRE—N. Kristhoff, 556 Morton Ave., taking bids brick and steel theatre and office, Columbia and Morton Sts. $250,000. Broughton & Phillips, Hammond, archts.

Ill., Chicago—APARTMENT—See "Contracts Awarded."

Mo., St. Louis — RECREATION — See "Contracts Awarded."

Tex., San Antonio — COURTHOUSE — Apr. 16, by Phelps & De Wees, engrs. and archts., Gunter Bldg., and E. T. Jackson & G. Willis, archts., c/o Builders Exch. Bldg., remodeling and 5 story and basement, 90 x 160 ft., rein.-con., brick, tile and stone annex, plain foundation, Main Plaza, for Bexar Co. $1,000,000. Noted Feb. 25.

Okla., Ponca City—OFFICE—Apr. 8, by W. H. McFadden, vice pres. Marland Oil Co., two 8 story and basement, 80 x 100 ft., rein.-con. and brick wings, plain foundation. $350,000. V. T. Moon, Ponca City, archt. L. C. Harmon, Ponca City, engr. Noted Jan. 21.

Calif., Eagle Rock — HOME — Southern California Home for Aged Women, taking bids two 38 x 112 ft. and one 34 x 112 ft. buildings, each 3 story, rein.-con., 2235 Norwalk St. $200,000. A. G. Bailery, 410 Hillstreet Bldg., Los Angeles, archt.

Ont., St. Catharines—HOSPITAL—Apr. 7, by Nicholson & MacBeth, 46 Queen St., 2 and 3 story and basement, rein.-con., brick and steel, plain foundation, for St. Catharines General Hospital Bd. $150,000.

Bids Received

Mich., Pontiac—HOSPITAL—W. Brewer, secy. Building Com., Oakland Co., general contract 3 story and basement, rein.-con., brick and steel in Waterford Twp., from Spence Bros., Saginaw, $299,944; steam heating boiler and equipment, from C. E. Ream, Royal Oak, $65,500. Noted Mar. 4.

Wash., Tacoma—TEMPLE—A. J. Russell, archt., Bankers Trust Bldg., Mar. 5, 5 story, 121 x 134 ft. with 1 story, 25 x 86 ft. wing, rein.-con., steel and stone, from M. Hoard & Co., Pantages Bldg., Seattle, for Masonic Lodge, 743 Market St. $332,395.

Calif., Alhambra — HOTEL, APARTMENT and STORE — T. Starrett, Detwiler Bldg., Los Angeles, 5 story and basement, 90 x 170 ft., rein.-con., Garfield Ave. and 1st St., from Westcott & Co., 710 South Garfield Ave., to exceed $150,000. Noted Feb. 25.

Calif., Los Angeles — THEATRE and OFFICE — W. H. Fisher, Union Oil Bldg., 2 story and basement, 35 x 140 ft. office section, and 135 x 162 ft. theatre section, 2,000 seating capacity, steel, brick and rein.-con., Wilshire Blvd. and Sycamore St., from J. P. Steele, 1593 Western Ave., to exceed $150,000.

Contracts Awarded

Mass., Boston—HOTEL and STORE—E. N. Wyner, 18 Tremont St., 15 story and basement, 90 x 136 ft., rein.-con., brick and steel, to Chase & Gilbert, 220 Devonshire St. Archts. est. $2,000,000. Noted Aug. 6.

Mass., Dorchester (Boston P. O.) — APARTMENT — Modern Constr. Co., 75 Mora St., will build 3 story and basement, 115 x 135 ft., brick and stone, plain foundation, Walnut Ave. and Homestead St. $175,000. Work will be done by separate contracts. M. E. Levy, 7 Water St., Boston, archt.

Conn., New Haven—STORE and OFFICE—H. M. Bullard Co., 91 Orange St., 6 story, 106 x 189 ft., brick, steel and concrete, Orange and Elm Sts., to C. W. Murdock, 505 Grand Ave. Archts. est. to exceed $150,000.

N. Y., Astoria (sta. Long Island City), N. Y. — APARTMENT — Boaa Realty & Constr. Corp., c/o Gronenberg & Leuchtag, engrs. and archts., Bricken Bldg., Bway. and 38th St., New York City, will build brick, steel and stone, plain foundation, Pierce Ave., here, by day labor. $500,000.

N. Y., New York — APARTMENT — S. Rosenberg Corp., c/o Gronenberg & Leuchtag, engrs. and archts., Bricken Bldg., Bway. and 38th St., will build 15 story, brick, steel and stone, plain foundation, East 81st St. Work will be done by separate contracts.

N. Y., New York — HOSPITAL — St. Elizabeths Hospital, 415 West 51st St., 6 story, 120 x 200 ft., brick, steel and stone, plain foundation, Fort Washington Ave., to J. A. Meenan, Inc., 153 West 72nd St. Archts. est. $800,000. Noted Mar. 4.

Pa., Phila.—STORE—J. G. McCrory, 1107 Bway., New York City, 8 story and basement, 50 x 125 ft., 919-23 Market St., to Hughes Foulkrod Co., Commonwealth Bldg. Archts. est. $350,000.

N. C., Highlands—See "Buildings—Industrial."

Fla., Bartow — COURTHOUSE — Constructing courthouse addition, to P. H. Smith, Haines City, $179,750.

O., Cleveland — APARTMENT — Cedar-Glen Co., 1032 Schofield Bldg., 3 and 5 story, rein.-con., brick and steel, Cedar and Ambleside Rds., to Tater & Arons, 1004 Linn Dr. archts. est. $450,000.

Ill., Chicago—APARTMENT—Owner, c/o F. Stanton, archt., 310 South Michigan Ave., will build 3 story and basement, 50 x 135 ft., brick, steel and stone, 6244-46 Winthrop Ave., by day labor. $160,000.

Ill., Chicago—APARTMENT—J. J. Hensen, archt., 1105 Lawrence Ave., masonry and carpentry contract 5 story and basement, 60 x 147 ft., rein.-con. and brick, 5326-28 Winthrop Ave., to Erickson & Magnuson, 4753 Bway., for Winthrop Building Corp., c/o architect. Noted Mar. 4.

Ill., Chicago — HOTEL — R. C. Harris, archt., 190 North State St., masonry and carpentry contract 16 story, 50 x 100 ft., brick and stone, 17-19 East Ohio St., to Seipp & Lonergan, 179 West Washington St., concrete piles, to Walsh & Masterson, 307 North Michigan Ave., for A. Strunk of Hotel Antonette Corp., 69 Bellevue Pl. Archts. est. $725,000. Noted Jan. 21.

Ill., Chicago—HOTEL—W. A. Morrow & Co., archts., 6 North Michigan Ave., general contract 16 story, 54 x 175 ft., rein.-con., brick and stone, 4238-40 Bway., to Krahl Constr. Co., 350 North Clark St., for C. H. Sundberg, Westminster Blvd. Archts. est. $400,000. Noted Dec. 10.

Ill., Chicago—HOTEL—A. H. Quitsow, archt., masonry and concrete contract 6 story and basement, 48 x 109 ft., rein.-con. and brick, Lincoln Ave. near Ogden Ave., to H. Janisch & Co., 1813 Winona St., for Schoenlank & Kirschner, 4753 Bway. Archts. est. $250,000. Noted Feb. 4.

Ill., Chicago — OFFICE — Holabird & Roche, archts., 104 South Michigan Ave., general contract 21 story and basement with 15 story tower, 40 x 90 ft., brick, steel and stone addition to Roanoke Building, 129 West Madison St., to Dahl-Stedman Co., 11 South La Salle St., for Roanoke Building Corp., 129 West Madison St. Archts. est. $3,000,000. Noted Jan. 14.

Ill., Evanston—THEATRE, STORE and OFFICE—J. E. O. Pridmore, archt., 38 South Dearborn St., Chicago, carpentry, masonry and concrete contract 2 story and basement, 80 x 195 ft., rein.-con., brick and stone, Sherman Ave. and Church St., here, to Broline-Nolan Co., 5 North La Salle St., Chicago, for University Theatre Corp. Archts. est. $400,000. Noted Nov. 12.

Ill., Joliet—HOTEL—Oliver Hotel Co., W. H. Oliver, pres., 3 story and basement, 118 x 124 ft., rein.-con., brick and terra cotta, Richards and Lincoln Sts., to Hansen & Petersen Constr. Co., Des Plaines and Allen Sts. Archts. est. $150,000.

Ill., La Grange — APARTMENT — A. D. Dallach, 136 South Spring Ave., carpentry contract 3 story and basement, 145 x 150 ft., concrete, tile, brick and stone, 6th Ave., to Olson Bros., 6501 Euclid Ave., Chicago; masonry and concrete work, to A. T. Herlin, 6117 Evans Ave.; structural steel, to Horn Structural Iron Wks., Chicago.

Mo., St. Louis—RECREATION—Freund Brothers, Cherokee and Iowa Aves., will build 3 story and basement, 125 x 153 ft., brick, concrete and stone, Cherokee and Iowa Aves., by day labor, under supervision of Wedmeyer & Nelson, archts., Wainright Bldg. $200,000. Noted Jan. 7.

Calif., Los Angeles—CLUB—Egyptian Salt Water Swimming Club, c/o A. G. Lindley, archt., Amer. Bank Bldg., 2 story, 162 x 300 ft. club, incl. 60 x 150 ft., rein.-con. swimming pool, etc., to J. C. Bannister, 6331 Hollywood Blvd., $200,000 or more.

Calif., San Francisco—OFFICE—E. H. Rollins & Sons, and S. W. Coleman, 315 Montgomery St., 30 story, double basement for garage, steel, Montgomery St. from Bush to Pine Sts., to Dinwiddie Constr. Co., Crocker Bldg., $6,500,000.

Buildings—Industrial

Proposed Work

Conn., Bridgeport—BRASS FACTORY—Bassick Co., 38 Austin St., soon lets contract 1 and 2 story, 100 x 120 ft., rein.-con., brick and steel, Austin and Warren Sts. $65,000. Fletcher Thompson, Inc., 542 Fairfield Ave., archts.

N. Y., Buffalo — BOX FACTORY — Plumer & Mann, Inc., archts., 700 Main St., preparing plans and takes bids about Apr. 1, box factory, Seneca St., for Burt Box Factory, Seneca and Hamburg Sts. $500,000.

N. Y., Elmira—POWER PLANT—United Gas & Electric Co., 111 Bway., New York City, having preliminary plans prepared rein.-con., brick and steel, plain foundation, here. $1,500,000. Private plans.

N. Y., New York—PLANT—New York Wagon Co., Inc., 143 West 51st St., plans rein.-con., brick and steel additions, plain foundation, West 51st St. $150,000. Engineer and architect not selected.

N. Y., Niagara Falls — FOUNDRY and MACHINE SHOP—Dobie Fdry. & Machine Co. plans foundry and machine shop addition. $60,000.

N. J., Roselle—PLANT—Rapid Addressing Machine Co., 46 West 43rd St., New York City, soon takes bids rein.-con., brick and steel, caisson foundation, here. $175,000. Ballinger Co., 100 East 42nd St., New York City, engrs. and archts.

Pa., Phila.—PLANT—Glove & Dye Wks., D. R. Greenwood, pres., plans 4 story and basement, rein.-con. and brick, plain foundation, Worth and Kinsey Sts. Stearns & Woodnutt, St. Girard Bldg., archts.

Pa., Phila.—MANUFACTURING PLANT—Phila. Storage & Battery Co., C and Ontario Sts., soon takes bids 3 story and basement, 54 x 250 ft., rein.-con. and brick addition, plain foundation, C and Ontario Sts. Private plans.

Tenn., Chattanooga—PLANT—U. S. Cast Iron Pipe & Fdry. Co., 71 Bway., New York City, having preliminary plans prepared rein.-con., brick and steel plant, plain foundation, here. $3,000,000. Private plans, archts. Noted Feb. 18.

O., Cleveland—FACTORY—Arco Co., S. D. Wise, pres., 6408 Euclid Ave., having plans prepared by Lockwood, Greene & Co., Hanna Bldg., 4 story and basement, 80 x 80 ft., brick and steel, East 79th St. and Bessemer Ave. $65,000.

O., Cleveland — FACTORY — Republic Brass Co., J. Pollock, secy., 1623 East 45th St., had plans prepared by Christian, Schwarzenburg & Gaede, 1900 Euclid Bldg., 1 story, 60 x 60 ft., brick and steel addition. $40,000.

O., Cleveland — FACTORY—Rickersberg Brass Co., E. Rickersberg, pres., East 37th St. and Perkins Ave. purchased site and having plans prepared by Christian, Schwarzenberg & Gaede, archts. and engrs., 1900 Euclid Bldg., 60,000 sq.ft. floor space, brick, steel and concrete, Kelley Ave.

O., Cleveland—STEEL MILL—Otis Steel Co., L. C. Pratt, purch. agt., 3341 Jennings Rd., plans 1 story, 30 x 56 ft., steel addition. $40,000. W. F. Hilditch, 3341 Jennings Rd., engr.

Ill., Chicago—FACTORY—Rayner Lithographing Co., 2054 West Lake St., having plans prepared by Weiss & Niestadt, Monadnock Bldg., 3 story and basement, 155 x 165 ft., rein.-con. and terra cotta, West Lake St. and Central Park Ave. $300,000.

Okla., Collinsville — POWER PLANT — City defeated $81,000 bonds, power plant and electric light improvements. B. Herdenfelder, city clk. Noted Mar. 11 under "Waterworks."

Bids Desired

Mass., Arlington (br. Boston) — DYE PLANT—Arlington Dye Wks., Inc., 411 Highland Ave., Somerville, taking bids (2 buildings), 2 story, 50 x 100 ft., brick and timber plant. $40,000. Private plans. Noted Nov. 26.

Mass., Attleboro—FACTORY—See "Contracts Awarded."

Mass., Roxbury (Boston P. O.)—SHOP—Owner, c/o A. D. Boyle, archt., 27 School St., Boston, taking bids 1 and 2 story, 50 x 100 ft., brick, 1700 Columbus Ave. $40,000.

Mass., Somerville (Boston P. O.)—FACTORY—Baillie Basket Co., 165 Federal St., taking bids 2 story and basement, 50 x 100 ft., brick and steel addition, plain foundation, 165 Beacon St. $65,000. E. R. Simpson, 176 Federal St., Boston, archt.

R. I., East Greenwich—MILL—Apr. 6, by Greenwich Mills, Division St., brick addition. To exceed $40,000. C. T. Main, 200 Devonshire St., Boston, archt.

N. C., Highlands—HYDRO-ELECTRIC PLANT—Apr. 14, by J. R. Smith, mayor, and Bd. Aldermen, hydro-electric plant, incl. concrete arch dam, 15 x 23 ft. power house, 2 sub-stations, and 2 mi. transmission line, etc. W. H. Booker, Charlotte, consult. engr.

Miss., Meridian — CREAMERY — See "Contracts Awarded."

Ia., Mason City—POWER PLANT—See "Contracts Awarded."

Minn., St. Paul — FACTORY and MACHINE SHOP—Auto Engine Wks., Inc., 1200 University Ave., taking bids 2 story and basement, 100 x 175 ft. factory and machine shop. $60,000. J. W. Stevens, Exch. Bank, archt. Noted Jan. 28.

Buildings—Industrial (Continued)

Ark., Monticello—MILL—See "Contracts Awarded."

Bids Received

Ark., Monticello—MILL—Monticello Cotton Mills will build brick and concrete addition, increasing capacity from 7,500 to 12,000 spindles, by day labor, under supervision of Lockwood, Greene & Co., engrs., Healey Bldg., Atlanta, Ga. Engrs. est. $175,000.

Contracts Awarded

Vt., Bellows Falls—POWER HOUSE—New England Power Co., 35 Harvard St., Worcester, 15,000 to 35,000 hp. development, to Power Constr. & Eng. Corp., 35 Harvard St., Worcester. Archts. est. $3,000,000. Noted Feb. 4.

Mass., Attleboro — FACTORY — General Plant Co. will build 2 story, 50 x 215 ft., brick and steel, Forest & Horton Sts. Work probably will be done by separate contracts. $175,000. Private plans.

Mass., Cambridge (Boston P. O.)—FACTORY—Johnson-Appleby Co., 6 story, 60 x 200 ft., rein.-con., Charles River Parkway and Vasser Sts., to Aberthaw Co., School St., Boston. Archts. est. to exceed $40,000.

Mass., Worcester — ROD and BILLET STEEL MILL—Amer. Steel & Wire Co., C. S. Marshall, genl. mgr., brick and steel, South Wks., to Morgan Constr. Co., Cross St. Archts. est. 1,000,000.

N. Y., Buffalo — FACTORY — Republic Metalware Co., 90 Alabama St., rein.-con., brick and steel addition, to Metzer Constr. Co., 676 Genesee St., to exceed $500,000. Noted Mar. 25.

N. J., Plainfield—PLANT—Wood Newspaper Machine Corp., 2 story, rein.-con., brick and steel addition, plain foundation, to Wigton-Abbott Corp., 552 West 23rd St., New York City. Archts. est. $50,000.

Pa., Conshocken (br. Phila.)—PRINTING PLANT—Conshocken Record, Forest and Nector Sts., 1 story, mezzanine and basement, 85 x 836 ft., rein.-con., brick and steel, plain foundation, Forest and Hector Sts., to O. C. Fries, Conshocken. Noted Feb. 25.

Miss., Meridian—CREAMERY—Armour Packing Co., 208 South La Salle St., Chicago, Ill., G. M. Gettigan, mgr., will build 2 story and basement, 80 x 100 ft., concrete, brick and stone, here, by day labor, under supervision J. O. Davis, constr. supt. Archts. est. $150,000. Noted Jan. 28.

Ill., Bloomington—FACTORY—Williams Oil-O-Matic Heating Corp., 2 story, 20,000 sq.ft. floor space, brick, to Austin Co., 16112 Euclid Ave., Cleveland, O., to exceed $100,000.

Ill., Chicago — FACTORY — G. Hoffman, 2921 East 79th Pl., masonry contract 1 story and basement, 25 x 50 ft., brick and stone, 3067 East 93rd St., to F. M. Heinkel, 7534 Saginaw St. Archts. est. $50,000.

Ia., Mason City — POWER PLANT — Peoples Gas & Electric Co., F. J. Hanlon, pres. and genl. mgr., will build 2 story, rein.-con. and brick plant, by day labor. Archts. est. $1,000,000. Private plans.

Buildings—Educational, Religious

Proposed Work

Vt., Rockingham — HIGH SCHOOL — Town, School Bd., having preliminary plans prepared by Tooker & Marsh, 101 Park Ave., New York City, brick and steel high school. $275,000.

Mass., Newton—CONVENT—Franciscan Denomination, c/o T. E. Sheehan, archt., 120 Boylston St., Boston, soon lets contract 3 story, 61 x 140 ft., brick and steel convent, Monet St. $150,000.

Mass., Peabody—SCHOOL—City, School Bd., receiving competitive plans new school. $125,000-$150,000. Engineer and architect not selected.

Mass., Waverly (br. Boston)—CHURCH—St. Lukes Parish, R. Splaine, paster, soon lets contract 1 story and basement, 80 x 145 ft., brick and steel, Lexington St. $150,000. E. J. Shields, 64 Hovey St., Watertown, archt.

Conn., Bridgeport—CHURCH—Sisters of Notre Dame, 309 Brooks St., had plans prepared by J. A. Jackson, 185 Church St., New Haven, 1 and 2 story and basement, 65 x 75 ft., and 40 x 65 ft., brick and steel church addition and parish house, plain foundation, Brooks St. $150,000.

Conn., Bristol—NURSES HOME—Bristol Hospital, Queen St., soon lets contract 3 story and basement, 40 x 100 ft., brick and steel, Queen St. $150,000. C. H. Palmer, 114 Whitney Ave., New Haven, archt.

N. Y., Brooklyn—PAROCHIAL SCHOOL—St. Athanasius Roman Catholic Church, 2154 62nd St., having plans prepared by Starrett & Van Vleck, engrs. and archts., 393 7th Ave., New York City, brick, steel and stone, plain foundation, 62nd St., here. $500,000.

N. Y., Hempstead—SCHOOL—Church of Our Lady of Loretta, R. E. Boyle, pastor, soon takes bids brick, steel and stone, plain foundation, Greenwich St., here. $200,000. R. J. Reilly, 50 East 41st St., New York City, engr. and archt.

N. Y., Kenmore—SCHOOL—Bd. Educ. plans Dist. 4 School. $200,000.

N. Y., Rye—SCHOOL—Bd. Educ. having plans prepared by Woolsey & Chapman, archts. and engrs., 139 East 46th St., New York City, 3 story, brick, steel and stone, plain foundation, Boston Post Rd. $225,000.

N. J., Trenton — SCHOOL — Bd. Educ. Hamilton Twp. having plans prepared by W. A. Klemann, 1st Natl. Bank, and soon takes bids 2 story, 146 x 148 ft. school. $170,000.

N. J., Cliffside Park (mail Cliffside)—HIGH SCHOOL—Bd. Educ. Cliffside, rejected bids Mar. 26, brick, steel and stone, plain foundation. Palisade Ave., here. $325,000. E. Sibley, Bluff Rd., Palisade, archt. Noted Mar. 11.

N. C., Raleigh—SCHOOLS—Raleigh Twp. School Com., election Apr. 20, $1,300,000 bonds, for schools. H. T. Srygley, supt. schools.

O., Akron—SCHOOL—W. Koehl., archt., 1720 Euclid Ave., Cleveland, soon lets contract 2 story and basement, 64 x 105 ft., brick, steel and concrete addition, Brown St., for St. Pauls Roman Catholic Church. C. H. Boeke, pastor. $150,000.

O., Akron—SCHOOL—St. Pauls Parish, soon lets contract 2 story and basement, brick, Firestone Park. $150,000. W. W. Koehl, 1720 Euclid Ave., Cleveland, archt.

Ill., Chicago—SCHOOL—Chicago Latin School, c/o F. S. Porter, 1367 North State St., having plans prepared by E. H. Clark, 8 East Huron St., and takes bids about Apr. 23, 3 and 4 story, 94 x 132 ft., rein.-con. and brick, Dearborn Parkway near North Ave. $500,000.

Ill., Clinton—CHURCH—First Methodist Episcopal Church raising $150,000 funds, new church, 800 seating capacity, East Main and Madison Sts. R. C. Taylor, comr. Engineer and architect not selected.

Ill., Hillside — CHURCH, SCHOOL and MONASTERY—Servite Fathers Monastery c/o A. Brosnaham, pastor, 3121 West Jackson Blvd., Chicago, soon lets contract 2 and 3 story and basement rein.-con., brick and stone, here. $200,000. O'Mears & Hills, Arcade Bldg., St. Louis, Mo., archts. Noted Mar. 11.

Mo., Webster Groves—SCHOOLS—Voted $180,000 bonds, constructing (2nd unit) addition to high school and addition to negro high school, for Bd. Educ. Noted Mar. 4.

Tenn., Knoxville—SCHOOLS—Bd. Educ. having plans prepared by W. B. Ittner, 911 Locust St., St. Louis, Mo., and takes bids about July 14, 3 story Junior High School, $280,000; 3 story Lonsdale Elementary School, $231,000; 3 story Marble City School, $117,000; alterations and additions to other schools, $403,000. Noted Mar. 11.

Ark., Malvern — HIGH SCHOOL — Bd. Educ. Special School Dist., I. A. Roland, pres., soon takes bids 2 story, brick and stone high school. $150,000. Witt, Seibert & Halsey, 807 Texarkana Natl. Bank Bldg., Texarkana, Tex., archts.

Nev., Las Vegas—SCHOOL—Las Vegas School Dist., having preliminary plans prepared by F. J. DeLongchamps, Gazette Bldg., Reno, fireproof addition. $150,000.

Calif., Sacramento — CATHEDRAL — Westminster Presbyterian Church, S. L. Divine, pastor, 13th and K Sts., plans fireproof, 13th and N Sts. $250,000.

Calif., San Francisco—SCHOOL—City and San Francisco Co. having plans prepared by Hyman & Appleton, 68 Post St., fireproof additions to Madison School, Arguello Blvd., Cherry and Clay Sts. $150,000 or more. Noted Nov. 12.

Calif., Santa Barbara — CHURCH — Methodist Episcopal Church having plans prepared by T. P. Barber, 2008 West 7th St., Los Angeles, fireproof, Figueroa St. $300,000 or more.

Bids Desired

Mass., Roxbury (Boston P. O.) — CHAPEL—Rabbinical College, Inc., J. M. Jacobson, rabbi, 35 Intervale St., taking bids 2 story and basement, 95 x 120 ft., rein.-con., brick, steel and terra cotta, plain foundation, Warren and Brunswick Sts. $150,000. J. A. Tuck, Park Pl. Bldg., Boston, $150,000. Noted Dec. 24.

Conn., New Britain—SCHOOL—Apr. 2, by City, J. M. Halloran, chn. school com., 3 story, 60 x 200 ft., brick and steel addition, Tremont St. $200,000. M. J. Unkelbach, 52 Main St., archt. Noted Mar. 4.

Mass., Belmont (Boston P. O.) — CHURCH — St. Lukes Roman Catholic Church, 132 Lexington St., Waverly, taking bids 1 story and basement, 85 x 145 ft., rein.-con. and granite, Lexington and Beech Sts. $150,000. Private plans.

N. Y., Hollis (mail Jamaica) — SCHOOL—Apr. 8, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 118, Wildey Ave. from 190th Pl. to 190th St., here, for Bd. Educ., 500 Park Ave., New York City.

N. Y., Mariners Harbor (Ind. Sta. Staten Island)—SCHOOL—Apr. 8, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 44, Maple Parkway between Walloon St. and Union Ave., here, for Bd. Educ., 500 Park Ave., New York City.

Pa., Phila.—SCHOOL—Apr. 6, by Bd. Educ., J. D. Cassell, supt. Buildings, 19th and Chestnut Sts., 3 story and basement, 36 x 159 ft., rein.-con. and brick, plain foundation, 17th and Folsom Sts. $340,000. I. T. Catharine, 19th and Chestnut Sts., archt.

Pa., Phila.—SCHOOL—Apr. 6, by Bd. Educ., J. D. Cassell, supt. Buildings, 19th and Chestnut Sts., 3 story and basement, 141 x 212 ft., rein.-con. and brick, plain foundation, Lyms Ave. and Brunswick St. $600,000. T. T. Catharine, 19th and Chestnut Sts., archt.

N. C., Louisburg—HIGH SCHOOL—Apr. 6, by Bd. Educ. Franklin Co., 2 schools, one known as Epson High School, other as Gold-Sand High School. M. S. Davis, Louisburg, archt.

O., Bowling Green—GYMNASIUM—Apr. 28, by Trustees Bowling Green College, 90 x 150 ft. gymnasium, 2,500 seating capacity. $175,000. H. B. Briggs, Ohio Hartman Bldg., Columbus, archt. Noted Mar. 25.

O., Cleveland—ENGINEERING, etc.—Apr. 17, by Wilbur Watson & associates, archts., 4614 Prospect Ave., 3 story, 55 x 147 ft., brick, steel and concrete, Euclid St. and Adelbert Rd., for Case School Applied Science, C. S. Howe, pres. $200,000. Noted Mar. 11.

Mich., Chelsea—HIGH SCHOOL—Apr. 6, by K. Walworth, secy. Bd. Educ., 2 story and basement, 52 x 101 ft., rein.-con., brick and steel addition, plain foundation. $150,000. Warren Holmes-Powers Co., Lansing, archts.

Ill., Chicago—SCHOOLS—Apr. 13, by Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr. Josephene Carson Locke School, Pratt and Octavia Aves. and Ernst Prussing School, North Menard Ave. and Slocum St., both 2 story and basement, 72 x 386 ft., brick, stone and terra cotta, $500,000 each; also Bradwell School addition, East 77th St. and Burnham Ave. J. C. Christensen, 650 South Clark St., archt.

Wis., Waukesha—HIGH SCHOOL—Apr. 10, by Bd. Educ., E. R. Estberg, pres., (1st unit) Junior High School, 3 story and basement, brick, tile and concrete, plain foundation. $155,000. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts. Noted July 23.

Que., Quebec — CHURCH — Apr. 5, by Bergeron & Lemay, archts., 145 St. Jean St., 1½ story, 80 x 200 ft., rein.-con., plain foundation, St. Francois d'Assise Parish, for Roman Catholic Church. $200,000.

Bids Received

Mass., Melrose—SCHOOL—City, 2 story and basement, brick and steel, 1st St., general contract, from Arlington Constr. Co., 313 Bway., Arlington, $121,500.

N. J., New Brunswick—PHYSICS—Bd. Institutions & Agencies, Trenton, Mar. 24, general contract 3 story and basement, brick and steel, plain foundation, here, from G. B. Rule, 71 John St., $177,000; electrical work, from Beaver Eng. Co., 59 Machanic St., $29,394. Noted Mar. 11.

O., East Cleveland (Cleveland P. O.) — SCHOOL—Bd. Educ., C. A. Tilden, dir., Shaw and Euclid Aves., Mar. 22, 2 story and basement, brick, steel and concrete, Caledonia St., from J. H. Moore, 18112 Landseer Rd., Cleveland, $121,000. Noted Mar. 4.

Calif., Los Angeles — SCHOOL — Bd. Educ., Mar. 17, general contract Horace Mann Junior High School, part 1, 2 and 3 story, 180 x 527 ft. main construction, and 75 x 150 ft. shop, rein.-con., from Salih Bros., Detwiler Bldg., $270,792; heating and ventilating, from Hoagland-Lakin Co., 1707 Naud St., $33,400. Noted Mar. 11.

Calif., Ventura — HIGH SCHOOL — Trustees Ventura Union High School Dist., 2 story, rein.-con., from C. P. Day Corp., Boston Bldg., Pasadena, $176,350. Noted Mar. 11.

Buildings—Educational, Religious (Cont.)

Contracts Awarded

Mass., Brighton (Boston P. O.) — SCHOOL — Schoolhouse Dept., Boston, 2 story, brick and stone, Howard Ave., Thomas Gardener Dist., here, to J. Rugo, 80 Boylston St., Boston. Archts. est. $150,000. Noted July 23.

Conn., New Haven—DORMITORY—Yale University, 125 person dormitory, Chapel and College Sts., to Sperry & Treat, 39 Church St. $470,000.

Conn., Plainville—SCHOOL—Town, L. S. Mills, chn. com., 2 story and basement, 65 x 160 ft., brick and steel, East St., to Lawrence Constr. Co., 372 Trumbull St., Hartford. Archts. est. $250,000. Noted Feb. 4.

Conn., Stamford—SCHOOL—City, C. H. Martin, school com., 3 story and basement, brick and steel, Lockwood Ave., to L. Keil, North Harlem Ave., Ossining, N. Y., $164,000. Noted Mar. 18.

Conn., Waterbury—NURSES HOME—St. Mary's Hospital, Union and Franklin Sts., 4 story and basement, 41 x 162 ft., brick and steel, South Elm St., to T. G. Smith Co., 18 Orange St. Archts. est. $200,000. Noted Feb. 11.

N. Y., Brooklyn—PAROCHIAL SCHOOL—St. Johns College, Lewis Ave., 5 story, brick, steel and stone, plain foundation, Lewis and Willoughby Aves., to J. Kennedy & Co., 1133 Bway., New York City. Archts. est. $600,000. Noted Feb. 25.

N. Y., New York—CHURCH—Park Ave. Baptist Church, 64th St. and Park Ave., church, 122nd St. and Riverside Dr., to Marc Eidlitz, 41 East 42nd St. Archts. est. $2,000,000.

N. J., Montclair — CHURCH — First Church of Christ Scientist, 55 x 190 ft., granite and stone, to J. F. & L. Carlson Co., Bloomfield Ave. Archts. est. $200,000. Noted Feb. 4.

Pa., Phila. — SYNAGOGUE and COMMUNITY CENTER — West Phila. Jewish Community Center, c/o A. J. Sauer Co., 1505 Race St., 3 story and basement, 108 x 179 ft., rein.-con., brick and steel, plain foundation, 63rd and Ludlow Sts., to M. Haupt & Co., 901 Walnut St. Archts. est. $350,000. Noted Feb. 18.

O., Cincinnati—SYNAGOGUE—Avondale Synagogue, Reading Rd., 1 story and basement, 90 x 140 ft., rein.-con., brick and stone, to J. Neyer, Central Ave. $350,000. Noted Dec. 24.

O., Fairport Harbor (br. Painesville)—SCHOOL—H. F. Foose & G. Fox, archts., Vickers Bldg., Cleveland, 2 story and basement, 80 x 120 ft., steel and concrete, here, to A. Isabel, Painesville, O., for St. Anthony of Padua Roman Catholic Church, Z. Demko, pastor. Archts. est. $150,000. Noted Feb. 11.

Ind., Anderson—SCHOOL—Bd. Educ., 3 story, brick and rein.-con., plain foundation, to Dauner & Co., Kokomo, $151,600. Noted Mar. 4.

Ind., Connersville — SCHOOL — St. Gabriels Church, T. S. Mesker, pastor, 232 West 9th St., brick and rein.-con., to W. Gutzwiller, Batesville. Archts. est. $150,000.

Tex., Ft. Worth—HIGH SCHOOL—Apr. 5, by W. G. Clarkson & Co., archts., 1st Natl. Bank Bldg., 3 story addition, 40,000 sq.ft. floor space, South Side, for Bd. Educ., c/o E. A. Corbett, chn., W. T. Waggoner Bldg. $650,000.

Federal Government Work

Proposed Work

Mass., Boston—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., plans U. S. Veterans Hospital, near here. $1,500,000.

N. Y., Northport — Hospital — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., plans 25 buildings, incl. hospital, doctors, nurses and attendants quarters, garage, boiler house, etc., for U. S. Veterans Hospital, here. $3,000,000.

N. Y., Tupper Lake — Quarters — U. S. Veterans Bureau Arlington Bldg., Wash., D. C., had plans prepared additional officers quarters and store house, here.

La., Alexandria — Hospital — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., plans U. S. Veterans Hospital, here. $1,400,000.

O., Dayton — Administration, etc. — U. S. Army, at office Constructing Quartermaster, had plans prepared 2 story, 53 x 520 ft., administration building, and 1 story, 300 x 480 ft. laboratory, brick and steel, at aviation field, here. $463,800.

Ill., Great Lakes (br. Waukegan) — Recreation, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., having plans prepared additional buildings, incl. recreation, auditorium administration, etc., at hospital, here.

Ore., Portland—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., plans U. S. Veterans Hospital, here. $1,350,000.

Calif., Palo Alto—Hospital, etc.—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., plans additions to U. S. Veterans Hospital, here, incl. administration, nurses quarters, attendants quarters, recreation building, etc.

T. H., Pearl Harbor—Generator Sets—Spec. 5200—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans motor generator sets, here.

Bids Desired

N. Y., Buffalo—Cable—Apr. 20, by Supt. Lighthouses, approximately 18,800 ft. armored submarine cable, adv. E. N.-R. Apr. 1.

N. Y., Newark — Addition — Apr. 20, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, extension to U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Apr. 1.

N. Y., Syracuse—Mezzanine, etc.—Apr. 16, by Treas. Dept. at office Supervising Archt., Wash., D. C., mezzanine floor for U. S. Court Room, and changes at U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Apr. 1.

Pa., Fort Mifflin (mail Essington) — Dredging—Apr. 22, by U. S. Engineer Office, 1505 Race St., Phila., dredging 47,000 cu.yd. in Delaware River, here.

D. C., Wash.—Cranes—Apr. 30, by U. S. Engineer Office, 1068 Navy Dept. Bldg., 2 hand power traveling cranes for water supply project; adv. E. N.-R. Apr. 1.

D. C., Wash.—Quarters—Spec. 5087—Apr. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to nurses quarters at Naval Hospital, here.

Va., Norfolk—Catamarans—Apr. 28, by U. S. Engineer Office, pontoon catamarans and pipe for 15 in. pipe line dredge; adv. E. N.-R. Apr. 1.

Fla., Pensacola—Storage—Spec. 5187—Apr. 21, by Bureau Yards & Docks, Navy Dept., Wash., D. C., fuel oil and gasoline storage at Naval Air Station, here. Noted Feb. 18.

Tenn., Memphis—Brush and Poles—Apr. 22, by Dist. Engr. Mississippi River Comm., 75,000 cords brush and poles.

Tenn., Memphis — Wire, etc. — Apr. 12, at office Mississippi River Comm., 1st and 2nd Dists., McCall Bldg., 85,700 lb. galvanized wire, wire strand, etc.; adv. E. N.-R. Apr. 1.

Ill., Macomb — Extension — Apr. 19, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story extension to U. S. Post Office, here. J. A. Wetmore, acting supervs. archt.

Ia., Cedar Rapids—Vestibule, etc.—Apr. 5, by Treas. Dept. at office Supervising Archt., Wash., D. C., extending mailing vestibule and driveway at U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Okla., Oklahoma City—Extension—Apr. 21, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story extension to U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Arizona — Road — Apr. 7, by C. H. Sweetser, dist. engr. Bureau Pub. Roads, Dept. Agriculture, 242 West Washington St., Phoenix, grading, etc. Snowflake-Pinetop Natl. Forest Rd., in Sitgreaves Natl. Forest, Navajo Co.

Wash., Easton—Canal—Apr. 29, at office Bureau Reclamation, Ellensburg, constructing Kittitas Main Canal, Div. 1, from Station 31 plus 32.7 to Station 226 plus 00, near here. E. Mead, comr.; adv. E. N.-R. Apr. 1.

Ore., Astoria—Quarters—Spec. 5170—Apr. 14, by Bureau Yards & Docks, Navy Dept., Wash., D. C., double quarters at Naval Radio Station, here. Noted Feb. 18.

Calif., Santa Barbara—Extension—Apr. 12, by Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story, extension to U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Bids Received

Conn., Torrington—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., Mar. 26, remodeling and enlarging U. S. Post Office, here, from C. Longhi & Sons, Torrington, $13,550. Noted Mar. 11.

Md., Baltimore—Storehouse—Treas. Dept. at office Supervising Archt., Wash., D. C., Mar. 25, storehouse, etc., at U. S. Quarantine Station, here, to Bell Concrete Constr. Co., 802 Eager St., $2,664. Noted Mar. 11.

Ill., Great Lakes (Br. Waukegan) — Ash Handling System—Spec. 5184—Bureau Yards & Docks, Navy Dept., Wash., D. C., Mar. 24, ash handling system for Naval Training Station, here, from United Conveyor Corp., 37 West Van Buren St., Chicago, Ill., $5,066. Noted Mar. 4.

Contracts Awarded

N. Y., New York—Dredging—U. S. Engineer Office, 39 Whitehall St., Dredging in Harlem River, to Great Lakes Dredge & Dock Co., 17 Battery Pl., $18,600. Noted Mar. 4.

Ky., Louisville — Dam — U. S. Engineer Office, P. O. Box 72, constructing Dam 51, in Ohio River, at Golconda, Ill., to U. G. I. Contg. Co., 1401 Arch St., Phila., Pa., $2,149,998. Noted Feb. 18.

O., Dayton — Foundations — Office — Constructing Quartermaster, concrete foundations for administration and laboratory buildings at Wright Field, to J. I. Geiger, 28 Maple So., $38,909. Noted Feb. 18.

O., Toledo—Dredging—U. S. Engineer Office, Detroit, Mich., dredging in Maumee Bay, here, to Duluth-Superior Dredging Co., foot 45th Ave., Duluth, Minn., $460,950. Noted Feb. 18.

Mo., Joplin—Vestibule, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., vestibule, etc., at U. S. Post Office, here, to G. A. Dieter, Joplin, $5,310. Noted Mar. 11.

Calif., Mare Island — Hospital — Spec. 5105—Bureau Yards & Docks, Navy Dept., Wash., D. C., general contract rein.-con., brick and steel hospital at Navy Yard Hospital, here, to Barrett & Hilp, 918 Harrison St., San Francisco, $556,326; heating, etc., to Lawson & Drucker, 465 Tehama St., San Francisco, $123,500; and electrical work, to H. A. Porter, 1500 Church St., San Francisco, $25,425. Grand total $705,251. Noted Mar. 11.

Ont., Toronto — OFFICE — Dept. Pub. Wks., Parliament Bldgs., interior finishing 4 story and basement, Queens Park, to Jackson Lewis Constr. Co., Federal Bldg., $351,000.

Unclassified

Proposed Work

Velodrome — East Hartford (br. Hartford), **Conn.**—Le Bal Tabarin, J. J. Byrnes, 271 Farmington Ave., Hartford, plans velodrome, 8,000 seating capacity, replacing Le Bal Tabarin, recently destroyed by fire, here. To exceed $25,000. Engineer not selected.

Grade Crossing Elimination—New York—Transit Comm., 270 Madison Ave., New York City, plans 21 grade crossings at Mariners Harbor $3,500,000, 2 at Ft. Wadsworth $500,000, 1 at Maple Ave. $100,000, and 1 at Bay St. $500,000; all foregoing in Richmond Boro; 4 crossings at Bridge St., Flushing, $1,000,000; 5 at Ozone Park, $1,200,000; 2 at Auburndale and Bayside, $1,000,000. L. T. Harkness, chn. comm.

Swimming Pool — Buffalo, N. Y. — See "Buildings—Commercial."

River Terminal — Baton Rouge, La. — Federal Barge Line, making plans floating dock, river and rail interchange terminal, here. $200,000. W. F. Schultz, 871 Shrine Bldg., Memphis, Tenn., engr.

Green House—Richmond, Ind.—J. H. Hill having plans prepared by Lord & P. Burnham, 208 South LaSalle St., Chicago, Ill., brick and steel green houses, incl. boiler room and packing building, etc. $400,000. H. C. Carroll, 511 Traction Terminal Bldg., Indianapolis, engr.

Car Barns — Cedar Rapids, Ia. — Cedar Rapids & Marion St. Ry. Co., D Ave. and 2nd St., take bids about May 1, 1 story, 140 x 300 ft., brick and tile car barns. $225,000. Private plans.

Grain Drying—Council Bluffs, Ia.—Chicago, Rock Island & Pacific R.R. Co., La Salle St. Sta., Chicago, Ill., C. A. Morse, ch. engr., plans plant, 50,000 bu. capacity for cleaning grain and 20,000 bu. capacity for drying grain, in connection with grain elevator, here. $25,000.

Electric Transmission Line—Arkansas—Arkansas Pub. Serv. Co., Boyle Bldg., made preliminary surveys electric transmission line from Wayne to Harrisburg and distribution system at Harrisburg. $100,000. H. D. Petty, Little Rock, engr.

Underpass — Montana — Great Northern R.R. Co., J. R. W. Davis, ch. engr., St. Paul, Minn., plans 26 ft. concrete arch underpass under 4 tracks main line railroad at Glacier Park Sta., here. $70,000. Work will probably be done by day labor. Cost to be borne by Railroad and Bureau Pub. Roads. State Hy. Dept., Helena, engrs.

Unclassified (Continued)

Swimming Pool—Beverly Hills, Calif.—See "Buildings—Commercial."

Transmission Line—Quebec—Huntington Electric Co., Huntington, plans election transmission line from Trout River to Huntington. $100,000. A. Lariviere, 56

Elevator—Port McNicoll, Ont.—Canadian Pacific Ry., Windsor Sta., Montreal, Que., plans 2,000,000 bu. grain elevator, rein.-con. $1,170,000. J. M. R. Fairbairn, Windsor Sta., Montreal, Que., engr.

Transmission Line—Toronto, Ont.—Hydro-Electric Power Comn., 190 University Ave., plans 200 to 225 mi. steel tower construction high voltage transmission line from Toronto to Ottawa River. $5,000,000. F. A. Gaby, 190 University Ave., engr.

Bids Desired

Traffic Signals — Bridgeport, Conn. — Taking bids 15 electric signal regulators in 15 different sections of city. $25,000. S. Dawe, comr. Bd. Police Comn. Noted Feb. 18.

Signal System—Buffalo, N. Y.—May 18, by J. Grimm, ch. Police Signal System, City Hall, electrically operated traffic control signal system in Delaware Ave., for City.

Fieldhouse, etc.—New York, N. Y.—Apr. 8, by Park Bd., F. D. Gallatin, pres., Arsenal Bldg., Central Park, 64th St. and 5th Ave., fieldhouse and comfort station, in Hamilton Pl. Park, here.

Special Work—New York, N. Y.—Apr. 9, by Bd. Transportation, 49 Lafayette St., J. H. Delaney, chn., supply special work (rails, frogs and switches), for use in construction portion Queensboro Subway Extension to 8th Ave.

Transmission Line—Highlands, N. C.—See "Buildings—Industrial."

Street Signs and Posts—Pontiac, Mich.—Apr. 9, at office of H. A. Maurer, city clk., City Hall, street signs and posts. J. R. Pollock, city engr.; adv. E. N.-R. Apr. 1.

Culverts—Iowa—See "Bridges."

Culverts—Omaha, Neb.—Apr. 13, by G. Berger, clk. Douglas Co., rein.-con., corrugated iron and clay culverts for 1926. $60,000.

Rolling Doors—San Francisco, Calif.—Apr. 8, by State Bd. Harbor Comrs., Ferry Bldg., steel rolling doors for Pier 50. $20,000-$30,000. Former bids rejected. Noted Mar. 25.

Tunnel—San Francisco, Calif.—May 5, at office Bd. Pub. Wks. of City and San Francisco Co., constructing tunnel and appurtenances under Buena Vista Park. W. J. Fitzgerald, secy.; adv. E. N.-R. Apr. 1. Noted Mar. 18.

Transmission Line—Quebec—See "Contracts Awarded."

Oil Drilling Equipment—Petrolea, Ont.—W. J. Hussey taking bids oil drilling equipment. $50,000.

Bids Received

Ornamental Lighting System—Los Angeles, Calif.—Supervs. Los Angeles Co., metal standards on streets between Slauson Ave. and 84th Pl. and from Central Ave. easterly, from Robertson Electric Co., 303 North Main St., Santa Ana, and Walker & Martin, 402 West Wilshire Blvd., Fullerton. $46,307 each. Noted Mar. 11.

Contracts Awarded

Elimination Grade Crossing — Buffalo, N. Y.—Grade Crossing & Terminal Station Comn., 1036 Endicott Sq., eliminating grade crossing of Colvin St. at Erie and Delaware, Lackawanna & Western R.R. tracks by constructing subway and approaches, to Erie Contg. Co., Morgan Bldg., $54,000. Noted Mar. 11.

Stadium — Chicago, Ill. — University of Chicago, 230 South Clark St., general contract 440 ft. double deck concrete stadium addition, 150 ft. high, 17,433 seating capacity, Stagg Field, to E. L. Scheidenhelm Co., 111 West Monroe St., about $500,000. Noted Jan. 7.

Coaling Station—Washington, Ia.—Chicago, Rock Island & Pacific R.R. Co., La Salle Street Sta., Chicago, Ill., C. A. Morse, ch. engr., 400 ton frame coaling station, here, to Howlett Constr. Co., 20 West Jackson St., Chicago, Ill.

Coaling Station—West Liberty, Ia.—Chicago, Rock Island & Pacific R.R. Co., La Salle Sta., Chicago, Ill., C. A. Morse, ch. engr., 400 ton frame coaling station, here, to Fairbanks, Morse Co., 900 South Wabash Ave., Chicago, Ill.

Coaling Station—Enid, Okla.—Chicago, Rock Island & Pacific R.R. Co., La Salle St. Sta., Chicago, Ill., C. A. Morse, ch. engr., 300 ton frame coaling station, here, to Rail Road Water & Coal Handling Co., 608 Dearborn St., Chicago, Ill.

Swimming Pool — San Antonio, Tex. — City, J. W. Tobin, mayor, will build 50 x 170 ft., rein.-con. swimming pool, Conception Park near Mission Pumping Plant, by day labor. $30,000. E. Ewig, city engr.

Pier—Port Angeles, Wash.—Port Angeles Port Comn., to Owens Bros., Port Angeles, 150 x 552 ft. pile and timber pier, 1,000,000 ft. timber at $29.75 per M, and 43,500 lb. iron $0.065, etc., total $102,012. Engrs. est. $107,193.

Swimming Pool — Aptos, Calif. — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Swimming Pool—Los Angeles, Calif.—See "Buildings—Commercial."

Piling—Los Angeles, Calif.—Bd. Harbor Comn., Duocrete pre-cast concrete piling, pressure treated with asphalt, for Berths 228-D and 228-E, to California Constr. Co., Citizens Natl. Bank Bldg., $211,650.

Lighting System—Maywood, Calif.—See "Streets and Roads."

Ornamental Lighting System—San Diego, Calif.—See "Streets and Roads."

Transmission Line—Quebec—Duke Price Co. Ltd., St. Joseph d'Alma, will build 42 mi. 350,000 hp. electric transmission line with 90 ft. steel and concrete towers, from Alma to Port Alfred. $2,000,000. Work will be done by company forces. Quebec Development Co., Ltd., 116 Cote de la Montagne, Quebec, engr.

Materials

Proposed Work

Sewer Pipe, Cement, etc.—Chatham, Ont.—Soon takes bids sewer pipe, cement, stone, sand, waterworks supplies, etc., for 1926. $30,000. C. H. Fuller, City Hall, engr.

Bids Desired

Road Oil, etc.—Boston, Mass.—Apr. 7, by Supply Dept., 300,000 gal. 45% asphaltic road oil, also asphaltic cement, Portland cement, road and Bermudez asphalt for various city depts. F. L. Brier, supt.

Pipe, Cement, etc. — Everett, (Boston P. O.), **Mass.**—Apr. 5, by Bd. Pub. Wks., City Hall, c.i. water pipe, sand, cement, sidewalk brick, sewer brick, sewer pipe, crushed stone, edgestone, granite blocks, road oil and binders required during 1926. J. Chambers, chn.

Crushed Rock, etc.—New Jersey—Apr. 12, by State Hy. Comn., Trenton, highway maintenance materials, incl. crushed trap rock, limestone, bituminous concrete, sheet asphalt, tar, etc. A. L. Grover, secy.; adv. E. N.-R. Apr. 1.

Cement, etc. — Shreveport, La. — See "Streets and Roads."

Road Signs—Iowa—Apr. 20, by State Hy. Comn., Ames, state road signs, U. S. road signs and posts; adv. E. N.-R. Apr. 1.

Culvert Pipe—Independence, Ia.—Apr. 6, at office Auditor Buchanan Co., 3,700 ft. corrugated culvert pipe. A. R. Bartwell, Independence, co. engr.

Culvert Pipe—Knoxville, Ia.—Apr. 6, at office Auditor Marion Co., 1,230 ft. corrugated culvert pipe. R. T. Johnson, Knoxville, co. engr.

Tile Drain, Intakes, etc. — Pocahontas, Ia. — Apr. 6, at office auditor Pocahontas Co., 59,500 ft. 6 in. tile drain, and 52 intakes.

Timber and Culvert Pipe—Sac City, Ia.—Apr. 9, at office Auditor Sac Co., 2 cars bridge timber and 5,448 ft. culvert pipe. M. A. Varley, Sac City, co. engr.

Culvert Pipe—Storm Lake, Ia.—Apr. 5, at office Auditor Buena Vista Co., 3,838 ft. culvert pipe. A. H. Cunningham, Storm Lake, co. engr.

Road Oil—Menasha, Wis.—Apr. 8, by J. F. DeCaro, city clk., 20,000 gal. 60% to 70% asphaltic content road oil.

Asphaltic Cement — Milwaukee, Wis. — Apr. 8, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, Spec. 1, 100 tons, Spec. 2, 175 tons, Specs. 3, 4 and 5 each 125 tons asphaltic cement.

Steel—Oshkosh, Wis.—Apr. 8, by F. C. Steiner, highway comr. Winnebago Co., 37,048 ft. 18 gauge steel 6½ in. wide, 1 in. V steel road strips 8 ft. long and stakes for same, 3,200 ft. 9 in. steel side forms and stakes for same, 9,200 pieces 4 ft. ½ in. square deformed bars, 3,100 pieces 4 ft. ⅝ in. smooth round bars, and 600 pieces ½ in. bars 30 ft. long.

Steel Tank Plates, etc.—St. Louis, Mo.—Apr. 9, by Missouri Pacific R. R. Co., Railway Exch. Bldg., W. A. Hopkins, genl. purch. agt., approximately 200 tons ⅜ in. steel tank plates; 60 tons 8, 10, 12, 14 and 16 steel blue annealed sheets; 1 ton No. 18 and lighter steel black sheets, 30 tons No. 20 steel galvanized sheets and lighter, 20 tons steel locomotive jacket, etc. E. A. Hadley, ch. engr.

Contracts Awarded

Road Oil—New Haven, Conn.—To New Haven Gas Light Co., 80 Crown St., tar road oil at $0.10 per gal.; to F. L. Ford, 195 Church St., hot asphalt $0.13 and Barker liquid $0.10 on 50,000 gal. basis total 350,000 gal. Noted Mar. 18.

Portland Cement, etc.—Brooklyn, N. Y.—J. A. Guider, pres. Brooklyn Boro, Boro Hall, 8,000 bbl. Portland cement and 4,000 cu.yd. paving concrete sand, to M. F. Hickey Co., Inc., 83 9th St., $21,920 and $4,160 respectively; 5,000 cu.yd. course aggregate and 3,000 tons limestone dust, to New York Trap Rock Co., 101 Park Ave., New York City, $8,650 and $12,900 respectively; 3,000 cu.yd. sand grit, to Rosoff Sand & Gravel Co., 152 West 42nd St., New York City, $5,370; 2,000 cu.yd. paving sand, to T. E. McCormick, 810 Lincoln Rd., $2,250; 600,000 gal. asphaltic road oil, to Standard Oil Co. of New York, 26 Bway., New York City, $37,140; 600,000 gal. asphalt cement, to Warner Quinlan Co., 79 Wall St., New York City, $38,160; 500,000 gal. fuel oil, to Texas Co., 17 Battery Pl., New York City, $22,770; 12,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., $12,360; 8,000 cu.yd. binder stone, etc., to Calvin Tompkins Co., 30 Church St., New York City, $15,520; and 15,000 cu.yd. steam cinders to W. F. Rourke, 259 77th St., $17,250. Grand total $198,450. Noted Mar. 25.

Rails, Timber, etc.—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., open hearth rail (Order 4) for Rapid Transit R.R., to Bethlehem Steel Co., 25 Bway., engrs. est. $3,000; ties and timber (Order 14) for portion Queensboro Subway, to A. R. Sax Lumber Co., 166 West 32nd St., $3,688. Noted Mar. 11.

Creosoted Ties — Phila., Pa. — H. E. Ehlers, dir. Dept. City Transit, 1211 Chestnut St., approximately 1,735,000 ft. southern yellow pine ties, for Broad St. subway, Contr. 122, to Jennison-Wright Co., 2463 Bway., Toledo, O., $180,627. Noted Mar. 11.

Pipe—Muskegon, Mich.—For 12,670 ft. 8- to 20-in. vitr. pipe, to York & Co., Globe Realty Bldg., Grand Rapids, $4,314; 970 ft. 27- to 36-in. concrete pipe, to Lamar Pipe & Tile Co., 331 Michigan Trust Bldg., Grand Rapids, $3,737.

Paving Blocks — Baltimore, Md. — Bd. Awards, vitr. paving blocks, f.o.b. Baltimore, for Bureau Highways during 1926, to Westport Paving Brick Co., Westport, Item 1 $38, Item 2 $35. Noted Mar. 25.

Road Oil — Carlinville, Ill. — Macoupin Co., 30 car loads road oil, f.o.b. any point, to L. Marsch, Morrisonville, at $0.0495 per gal. Noted Mar. 11 under "Streets and Roads."

Road Oil—Pekin, Ill.—Tazewell Co., 1,320,000 gal. road oil, f.o.b. cars destination, to Monarch Asphalt & Road Oil Co., Peoria Life Bldg., at $0.0474 per gal.

Road Oil — Sturgeon Bay, Wis. — E. S. Ackerman, city clk., 10,000 gal. tarvia B, to Barrett Co., 216 West Monroe St., Chicago, Ill., at $0.115 per gal.; 28,000 gal. asphalt oil, to Standard Oil Co., 414 Sycamore St., Milwaukee, $0.062; and 10,000 gal. 40% to 50% asphalt oil, to P. M. Peterson Oil Co., Sturgeon Bay, $0.06½ per gal. Noted Mar. 4.

Road and Bridge Material—Corydon, Ia.—To Central Culvert Co., Ottumwa, 1,500 ft. 12 in. corrugated culvert pipe at $0.68 per ft., 2,000 ft. 15 in. $0.85, 600 ft. 18 in. $1.24, and 100 ft. 24 in. $1.66; to Hayes Lumber Co., Corydon, 2,000 lb. red lead at $14.75 per lb., 20 tons reinforcing $2.56, 750 bbl. cement $2.86, 64 cwt. nails $3.39, 20 cwt. No. 9 wire $3.37; and to Corydon Lumber Co., Corydon, 36 x 20 ft. I-beam bridge at $4.75.

Pipe, etc.—Toronto, Ont.—To Bowden Machine Co., Sterling Rd., twenty-seven 3 nozzle post style hydrants at $288.75 each; to Natl. Meter Co. of Canada, 151 Duchess St., positive displacement meters, 2 in. $92.50 each, 3 in. $174.40 each; to Drummond McCall & Co., 373 Front St. E., positive displacement meters, 4 in. $298.40 each, 6 in. $507.75 each, 8- to 20-in. cast steel pipe and castings, and 8 in. gate valves $84.25 each, and 20 in. check valves $670 each; to Neptune Meter Co., 345 Sorauren Ave., 3 in. compound meters $177.84 each, 4 in. $296.40 each, and 6 in. $592.80 each; to Worr Fdry., 163 Sterling Rd., 4 thirty in. c.i. ¼ bends $197 each; to Dominion Wheel & Foundries Co., 131 Eastern Ave., two 30 in. c.i. sleeves $89.50 each, special castings $5 per 100 lb., and five 20 in. c.i. stop valves $545 each; to Bowden Machine Co., Sterling Rd., 8 in. gate valves $80 each; to Mussens Ltd., Confederation Life Bldg., two speed engines $3,060 each.

See proposal advertising on page 158, Advertising Section

Look Ahead 10 Years

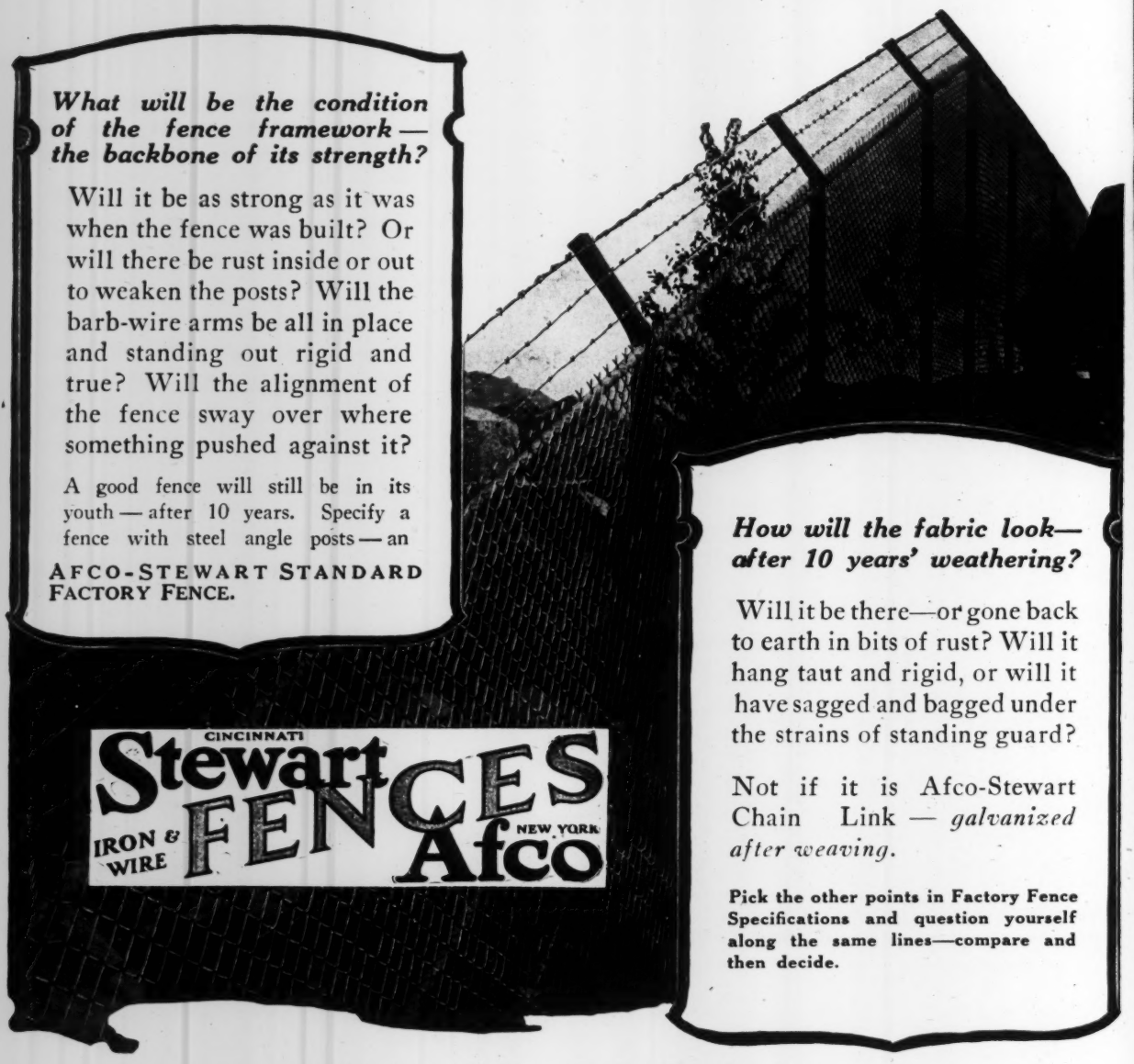
And Ask Yourself These Questions About the Fence You Buy

What will be the condition of the fence framework — the backbone of its strength?

Will it be as strong as it was when the fence was built? Or will there be rust inside or out to weaken the posts? Will the barb-wire arms be all in place and standing out rigid and true? Will the alignment of the fence sway over where something pushed against it?

A good fence will still be in its youth — after 10 years. Specify a fence with steel angle posts — an

AFCO-STEWART STANDARD FACTORY FENCE.



How will the fabric look— after 10 years' weathering?

Will it be there—or gone back to earth in bits of rust? Will it hang taut and rigid, or will it have sagged and bagged under the strains of standing guard?

Not if it is Afco-Stewart Chain Link — *galvanized after weaving.*

Pick the other points in Factory Fence Specifications and question yourself along the same lines—compare and then decide.

Ask for our Factory Fence Specifications and analyze the strength and durability of Afco-Stewart Fence.

Stewart's Fences — Standard of the World

The Stewart Iron Works Company
(Incorporated)
784 Stewart Block,
Cincinnati, O.

American Fence Construction Co.
(Incorporated)
221-5 West 57th Street,
New York, N. Y.

Afco Chain Link — Product Plus Service